

SUPERINTENDENT'S REPORT

OF THE

FLORIDA STATE HOSPITALS

CHATTAHOOCHEE, FLORIDA

and

ARCADIA, FLORIDA



For the period beginning
July 1, 1946 and ending June 30, 1948



GOVERNING BODY

BOARD OF COMMISSIONERS OF STATE INSTITUTIONS

TALLAHASSEE, FLORIDA

MILLARD F. CALDWELL Governor

R. A. GRAY Secretary of State

C. M. GAY Comptroller

J. TOM WATSON Attorney General

NATHAN MAYO Commissioner of Agriculture

J. EDWIN LARSON Treasurer

COLIN ENGLISH State Superintendent of Public Instruction

J. ED. STRAUGHN Secretary to the Board

.....
J. H. THERRELL Executive Officer

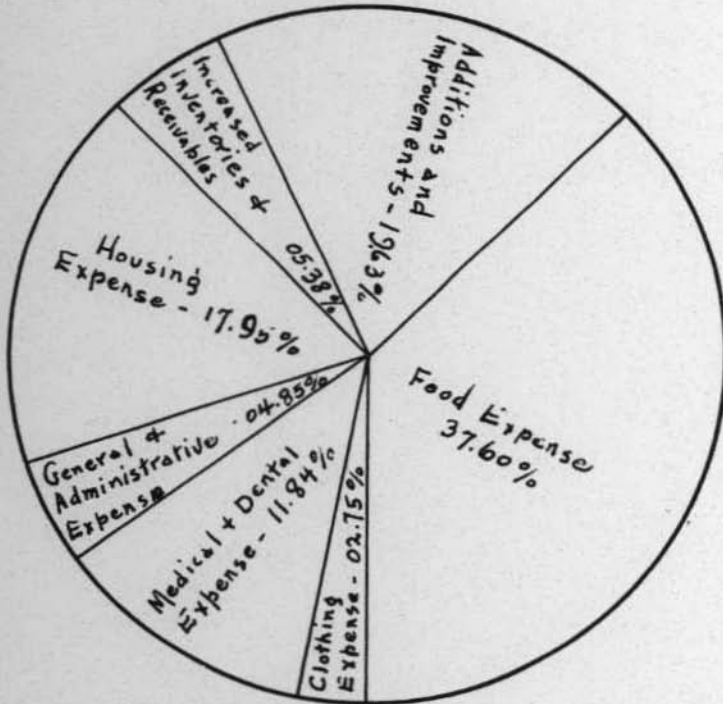
Chattahoochee, Florida

NET EXPENDITURES—YEAR ENDED JUNE 30, 1947

(Both Hospitals)

\$3,334,927.46

Portion of Each Dollar Spent Went
for



SOURCES EXPENDED FROM—

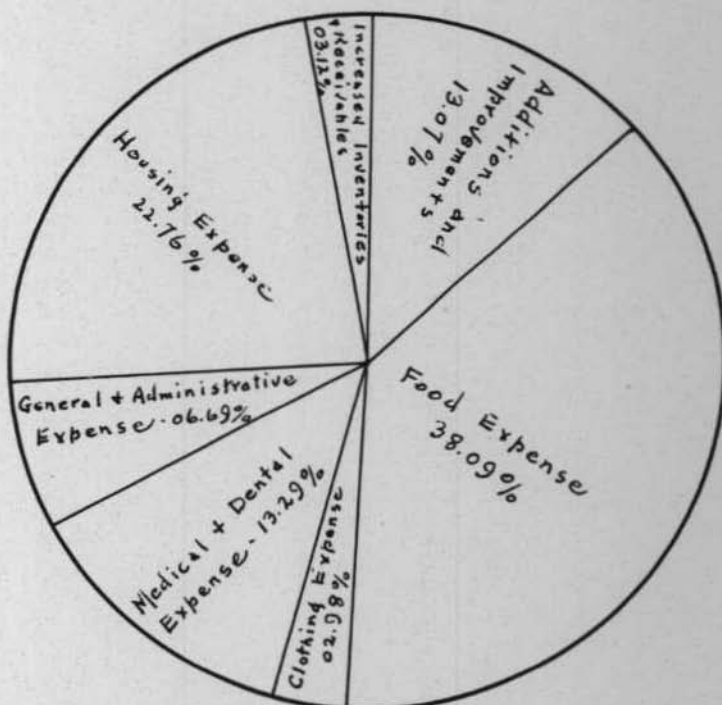
Appropriations	\$2,888,441.91
Funds—Incidental	683,040.00
Donated Commodities	18,310.15
Total Expenditures	\$3,589,792.06
Less Fund Receipts—Inc.	254,864.60
Net Expenditures	\$3,334,927.46

5,519 PATIENTS
915 EMPLOYEES

NET EXPENDITURES—YEAR ENDED JUNE 30, 1948
(Both Hospitals)

\$4,279,469.60

Portion of Each Dollar Spent Went
for

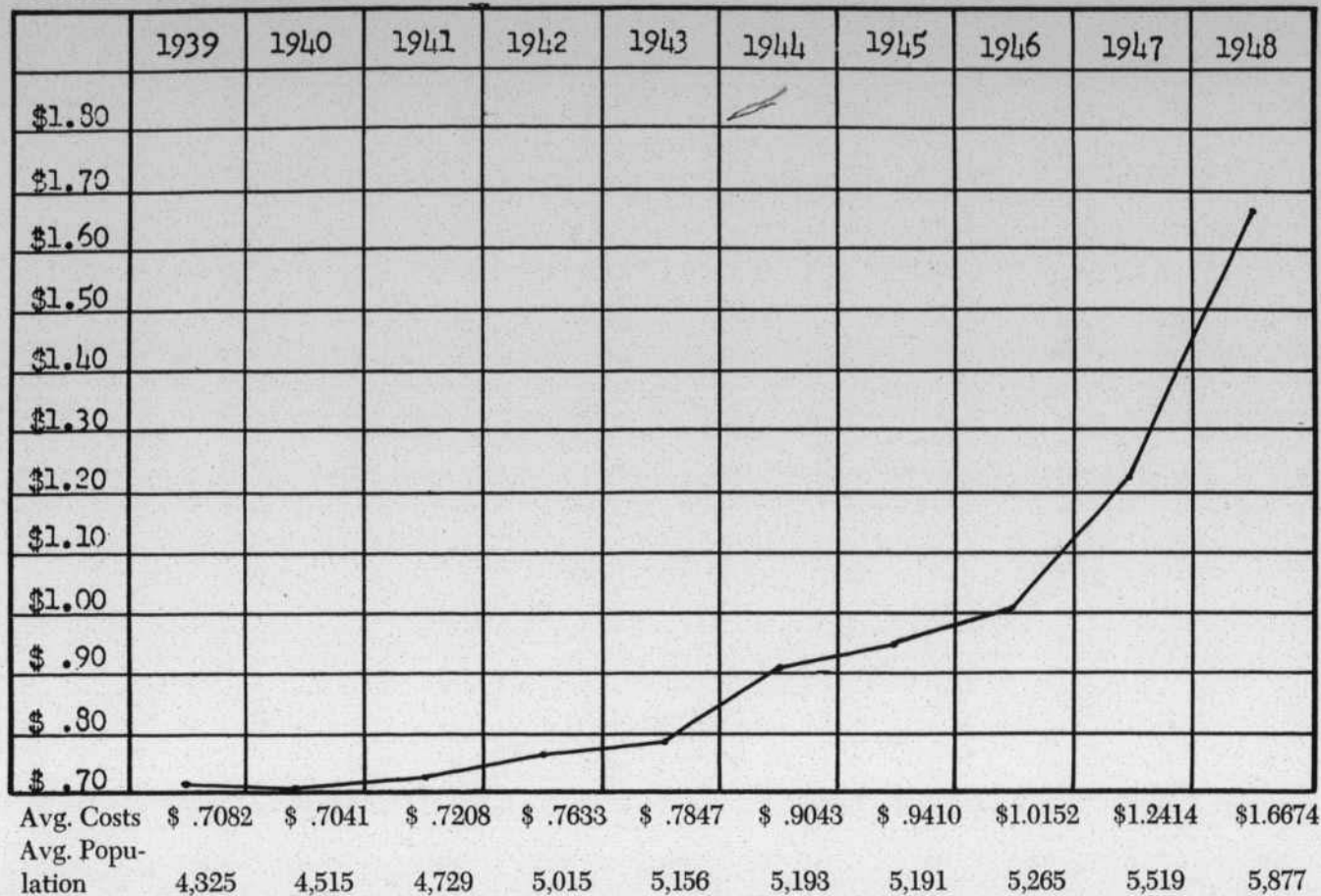


SOURCES EXPENDED FROM—

Appropriations	\$4,283,800.65
Funds—Incidental	88,158.70
Donated Commodities	116,664.08
Total Expenditures	\$4,488,623.43
Less Fund Receipts—Inc.	209,153.83
Net Expenditures	\$4,279,469.60

5,877 PATIENTS
1,172 EMPLOYEES

GRAPHIC CHART OF MAINTENANCE COSTS PER DIEM, PER CAPITA, FOR FISCAL YEARS SHOWN



TRANSMITTAL

To The Board of Commissioners of State Institutions
 Millard F. Caldwell, Chairman
 Tallahassee, Florida

Gentlemen:

Transmitted herewith is report of the Florida State Hospital for the biennium July 1, 1946—June 30, 1948.

May I thank each member of your Board, each supervisor and employee of the hospital for their support and cooperation.

The Patient has been the first consideration. His care, comfort, treatment and restoration to society has been the objective around which all activities have centered.

AS OF JUNE 30, 1948 YOUR HOSPITALS SHOWED THE FOLLOWING
 FIGURES

	Hospital No. 1	Hospital No. 2	TOTAL
Land acreage	10,326	2,169	12,495
Buildings and Structures	300	72	372
Patients present	5,243	793	6,036
Prisoners	201	0	201
Employees	944	260	1,204
Dependents of employees	1,047	360	1,407

EXPENDED FOR MAINTENANCE:

	Hospital No. 1	Hospital No. 2	TOTAL
First year of biennium	\$2,392,611.75	\$108,327.03	\$2,500,938.78
Second year of biennium	2,952,670.21	634,103.64	3,586,733.85
Total for biennium	\$5,345,281.96	\$742,430.67	\$6,087,712.63

PER PATIENT PER DAY COSTS:

	Hospital No. 1	Hospital No. 2	TOTAL
First year of biennium	\$1.2096	\$2.9656	\$1.2414
Second year of biennium	1.5323	2.8289	1.6674
Average cost, for biennium	\$1.3688	\$2.8486	\$1.4614

AVERAGE MONTHLY SALARY PAID EMPLOYEES:

	Hospital No. 1	Hospital No. 2	TOTAL
First year of biennium	\$ 96.79	\$114.36	\$ 97.46
Second year of biennium	122.44	125.49	123.01
Average salaries for biennium	\$110.13	\$123.96	\$111.81

	Hospital No. 1	Hospital No. 2	TOTAL
Patients have been admitted for the first time to the hospital during the past two years	2,359	0	2,359
Patients have been furloughed or discharged as improved or restored during the two year period	1,405	121	1,526
Patients have died in the two years, a decrease of three at the main hospital in Chattahoochee	796	6	802

We need and recommend for the ensuing biennium:

Construction of a separate facility for feeble-minded and epileptic patients to prevent the co-mingling of this type patient with the mentally ill, who are subject to rehabilitation.

The employment of seven occupational therapists.

The employment of a full time recreational director for patients and employees at each hospital.

The employment of six psychiatrically trained social service workers.

The establishment of out-patient clinics to function under the supervision of your hospital management.

Ten additional physicians for the Medical Staff.

Six physiotherapists.

Respectfully submitted,

J. H. THERRELL,
Superintendent.



Main Receiving Hospital

DEPARTMENT HEADS

J. H. THERRELL	Superintendent
W. D. ROGERS	Chief Physician
W. G. MILES	Clinical Director
A. F. DOUGLAS	Chief Dentist
DORA FULGHAM	Supervisor of Nurses
ETELKA W. YOUNG	Director, School of Nursing Education
R. MOODY HOLMES	Chaplain
ISABEL MAWHINNEY	Secretary to the Superintendent
F. D. PALSGRAAF	Cashier
GEORGE M. CRICHTON*	} Chief Engineer
R. T. DUNCAN	
G. B. KIRKLAND	Supervisor of Laundry
DELLA JACKSON	Acting Occupational Therapist
E. J. LANGLEY	Fire Chief
JULES TERHELL	Horticulturist
KATHLEEN KEY**	} Dietitian
CATHERINE GREEN	
MARTHA HILL LIGHTSEY*	} Supervisor of Infirmary
MAE T. CLARK	
W. O. BELL	Manager of Commissary
DAN W. D'ALEMBERTE	Supply Clerk
EMMA GLASS	Supervisor of Sewing Room
GLEN F. WRIGHT*	} Supervisor of White Men's Department
JACK E. ANDREWS	
WILLIE KIRKLAND**	} Supervisor of White Women's Department
JESSIE DOMIN	
H. M. DEAN	Supervisor of Colored Men's Department
PEARL TRAMMELL*	} Supervisor of Colored Women's Department
CHLEO SANDERS	
E. PERRY WOODWARD**	} Supervisor of Farm
PAUL BEVIS	
NORMAN S. JAMES	Sanitary Supervisor
J. C. GISSENDANER**	} Chief Steward
CHAS. P. EVANS	
J. M. SMITH**	} Captain of the Guard
COLIE NICHOLS	
CHAS. V. IMESON	Construction Supervisor
GLEN F. WRIGHT*	} Director of Recreation
JACK E. ANDREWS	
IRIS JONES	Librarian
MATTIE SHELFER	Matron, Landis Hall

*Deceased **Resigned

THE FLORIDA STATE HOSPITAL

The three score years which have passed since the establishment of the Florida State Hospital have seen its transformation from an "asylum" where the mentally ill were merely locked up for the protection of society to a hospital applying modern therapeutic methods for the restoration of mental health. It has been necessary to expand the physical plant and equipment because of the rapid increase in patient population.

The need for additional housing should not eclipse the necessity of enlarging the truly therapeutic functions of the hospital. THE PATIENT POPULATION CAN BE REDUCED BY RECEIVING AND TREATING PATIENTS IN THE EARLY STAGE OF MENTAL ILLNESS, RESTORING THEM TO SOCIETY, THUS RELIEVING THE STATE OF THE BURDEN OF THEIR MAINTENANCE.

THE SCOPE OF THE INSTITUTION

The Florida State Hospital operates as an agency which undertakes the treatment of the mentally ill, their restoration to health and return to society. Its function is primarily scientific and it is first of all a hospital. But with a population of 5,243 patients, 201 prisoners, and 944 employees with their dependents, living and working in some 300 buildings on a reservation of more than 10,326 acres, the hospital has the scope of a community demanding practically all the activities and services of a fair-sized municipality. Because of its relative isolation, the institution must be self-sustaining in many respects, hence the operation of numerous productive enterprises and the stocking of large quantities of supplies.

Something of the breadth of the hospital's work may be viewed in a list of the various departments operated in addition to the medical department and its subdivisions:

Administration	Electric Shop	Power Plant
Accounting Department	Fire Department	Poultry Farm
Art Room	Feed and Grist Mill	Radio System
Beauty Parlor	Foundry	Recreation Department
Barber Shop	Garage	School of Nursing Education
Broom and Mop Factory	General Kitchen	School of Med. Technology
Brick Manufacturing Plant	Hog Farm	Sewing Room
Commissary	Horticulture Department	Saw Mill
Chaplaincy	Ice Plant	Sanitary Department
Canning Plant	Library	Trust Department
Construction Department	Laundry	Telephone System
Carpenter Shop	Machine Shop	Telegraph System
Drink Stand	Mattress Factory	Vegetable Farm
Diet Kitchen	Occupational Therapy Dept.	Water Works
Dairy	Post Office	Ward Supplies and Equip.
Electric Plant	Plumbing Department	



RESOLUTIONS

WHEREAS, Miss Pearl Trammell, the beloved Supervisor of the Colored Female Department of the Florida State Hospital, departed this life on the third day of May, in the year of nineteen hundred forty-eight; and,

WHEREAS, her long tenure of service exemplified faithful and loyal devotion to duty, love and kindness in the performance of her tasks, and a gentle and gracious spirit in what to her was "a labor of love;" and,

WHEREAS, her quiet, unassuming manner, her unselfish and sympathetic nature, and the calm and efficient way in which she exercised authority endeared her to all who worked with her and ingratiated her to the patients whom she served; be it, therefore,

RESOLVED, that the Heads of Departments Conference of the Florida State Hospital record its deep and tender regret at the passing of "Miss Pearl," as she was affectionately called, by spreading this expression of condolence on the minutes of the meeting; and be it further

RESOLVED, that a copy of this be sent to the surviving members of her family.

ROBERT MOODY HOLMES,
JESSIE DOMIN,
W. D. ROGERS.



RESOLUTIONS

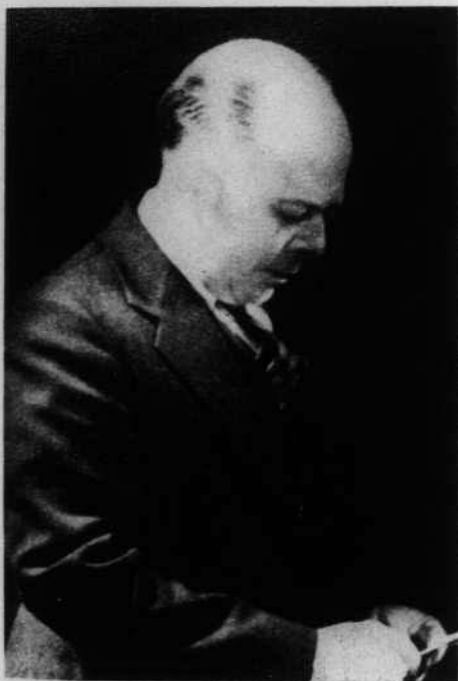
WHEREAS, Mrs. Martha Hill Lightsey, R.N., Supervisor of the Infirmary of the Florida State Hospital, and a member of the Departmental Heads' Conference for a number of years, departed this life on February 19, 1947, and,

WHEREAS, her service to this institution was most outstanding and she endeared herself to her co-workers and to the patients of the Hospital, therefore, be it

RESOLVED, that as her associates, we express our appreciation of her honesty and kindly disposition, her desire to be of assistance to those under her care, and for her faithfulness to her profession, and therefore, be it further

RESOLVED, that a copy of these Resolutions be spread on the minutes of this Conference, and a copy sent to the bereaved husband.

W. D. ROGERS,
DORA FULGHAM,
GLEN F. WRIGHT,
Committee.



RESOLUTIONS

With the feeling of deepest regret, the Departmental Heads of the Florida State Hospital record the passing of a friend, and respected associate, George M. Crichton, who died February 9, 1948.

Because we realize to the fullest extent the fine work done in the four years he was Chief Engineer and because of our warm personal feelings, be it

RESOLVED, that we inscribe upon our records a tribute to the memory of one who was held in the highest esteem and respect by his associates and

RESOLVED, that a copy of these resolutions be transmitted to the press and a copy to the family of our deceased associate together with the assurance of our sincerest sympathy.

R. T. DUNCAN,
W. O. BELL,
CATHERINE G. SMITH,
Committee.



RESOLUTIONS

WHEREAS, Glen F. Wright, Supervisor of the White Male Department departed this life on August 6, 1947, and

WHEREAS, Glen F. Wright was a member of this Conference held in high esteem by his fellow members, and

WHEREAS, Glen F. Wright had for a period of approximately thirty years well, and faithfully served the interest of this Hospital to the best of his ability, and

WHEREAS, the helping hand of Glen F. Wright will be sorely missed by the members of this Conference, now

THEREFORE BE IT RESOLVED BY THIS CONFERENCE, that it express to the relatives of Glen F. Wright its deepest sympathy and condolence at this time and further that a copy of this resolution be furnished such relatives and the local press, and

BE IT FURTHER RESOLVED, that a copy of this resolution be spread upon the minutes of this Conference.

DAN W. D'ALEMBERTE,
W. D. ROGERS,
FRANK PALSGRAAF,
Committee.

STATEMENT OF CONDITION
FLORIDA STATE HOSPITAL No. 1-CHATTAHOOCHEE
AND
FLORIDA STATE HOSPITAL No. 2-ARCADIA

	At End of Fiscal Year—June 30, 1947			At End of Fiscal Year—June 30, 1948		
	FSH No. 1 Chattahoochee	FSH No. 2 Arcadia	Both Hospitals Combined	FSH No. 1 Chattahoochee	FSH No. 2 Arcadia	Both Hospitals Combined
CURRENT ASSETS & DEFERRED CHARGES:						
Funds—Incidental:						
On Hand & Due from Comptroller....	\$ 38,557.81	\$ 1,000.00	\$ 39,557.81	\$ 36,456.54	\$ 1,596.83	\$ 38,053.37
State Treasury	248.30	410.12	658.42	114,314.95	8,843.04	123,157.99
Accounts Receivable:						
Paying Patients	11,765.46	-----	11,765.46	13,667.56	1,038.26	14,705.82
Others—Principally State Institutions	12,955.61	-----	12,955.61	8,224.04	170.00	8,394.04
Inventories—Supplies	413,353.70	21,020.76	434,374.46	518,431.41	53,566.03	571,997.44
Inventories—Hogs and Poultry	8,833.16	-----	8,833.16	8,201.60	-----	8,201.60
Deferred Charges	9,271.53	---	9,271.53	10,540.89	739.34	11,280.23
Total Current Assets & Deferred Charges	\$ 494,985.57	\$ 22,430.88	\$ 517,416.45	\$ 709,836.99	\$ 65,953.50	\$ 775,790.49

(Continued Next Page)

STATEMENT OF CONDITION—(Continued)

	At End of Fiscal Year—June 30, 1947			At End of Fiscal Year—June 30, 1948		
	FSH No. 1 Chattahoochee	FSH No. 2 Arcadia	Both Hospitals Combined	FSH No. 1 Chattahoochee	FSH No. 2 Arcadia	Both Hospitals Combined
FIXED ASSETS: (NET)						
Land & Improvements	\$ 207,675.40	\$ 161,660.00	\$ 369,335.40	\$ 235,380.14	\$ 171,660.00	\$ 407,040.14
Buildings & Structures	3,167,544.46	1,000,703.56	4,168,248.02	3,205,719.71	1,125,435.56	4,331,155.27
Machinery & Equipment	926,853.58	200,990.81	1,127,844.39	943,190.89	319,851.90	1,263,042.79
Groves & Orchards	11,139.90		11,139.90	11,139.90		11,139.90
Horses & Mules	9,660.72		9,660.72	9,845.72		9,845.72
Dairy Herd & Beef Herd	14,582.75		14,582.75	15,345.25		15,345.25
Uncompleted Projects—New Construction	407,689.00	138,725.08	546,414.08	800,261.60	25,582.67	825,844.27
Total Fixed Assets—Less Depreciation Reserves	\$4,745,145.81	\$1,502,079.45	\$6,247,225.26	\$5,220,883.21	\$1,642,530.13	\$6,863,413.34
CAPITAL INVESTMENT	\$5,240,131.38	\$1,524,510.33	\$6,764,641.71	\$5,930,720.20	\$1,708,483.63	\$7,639,203.83
APPROPRIATED SURPLUS:						
Operating Appropriations	4,007.45		4,007.45	271,170.76	139,579.41	410,750.17
Special Building Funds	1,182,823.77	28,655.64	1,211,479.41	2,022,291.33	86,720.10	2,109,011.43
TOTAL CAPITAL INVESTMENT & APPROPRIATED SURPLUS	\$6,426,962.60	\$1,553,165.97	\$7,980,128.57	\$8,224,182.29	\$1,934,783.14	\$10,158,965.43

Figures in Fixed Assets Group—FSH No. 2—include properties at Dorr & Carlstrom Fields, near Arcadia, Florida, acquired during the biennium through Federal Grant; appraisal valuations of such properties being \$1,283,875.00.

**REVENUE, EXPENDITURES AND BALANCES IN APPROPRIATIONS AND FUNDS
FLORIDA STATE HOSPITAL No. 1—CHATTAHOOCHEE
AND
FLORIDA STATE HOSPITAL No. 2—ARCADIA**

	Fiscal Year—July 1, 1946 through June 30, 1947		Fiscal Year—July 1, 1947 through June 30, 1948	
BALANCES—BEGINNING OF FISCAL YEAR:				
Operating Appropriations	\$ 108,370.93		\$ 4 007.45°	
Funds—Incidental:				
State Treasury	442,274.32		658.42	
On Hand & Due From Comptroller	33,920.19		39 557.81	
Special Building Funds	1,364,641.82		1,211,479.41	
	\$1,949,207.26		\$1,255,703.09	
Less Amount Reverting to Treasury	— None	\$1,949,207.26	— 4 007.45°	\$1,251,695.64
RECEIPTS—FISCAL YEAR:				
Operating Appropriations—Including				
Contingent Appropriation	\$2,183,800.00		\$4 172,088.44	
Funds—Incidental:				
Paying Patients	79,589.64		89,186.86	
Timber Sale & Interest	70,500.00		23 511.95	
Sales—Brick, Supplies, Services	104,774.96		96,455.02	
Special Building Funds	447,116.02		1 419,994.40	
	\$2,885,780.62		\$5,801,236.67	
Less Trans. Funds to State Bldg. Fund	— 7,802.88	\$2,877,977.74	— None	\$5,801,236.67
Donated Surplus Commodities		\$ 18,310.15		\$ 116,664.08
TOTAL FUNDS AND DONATIONS AVAILABLE		\$4,845,495.15		\$7,169,596.39

(Continued Next Page)

REVENUE, EXPENDITURES AND BALANCES IN APPROPRIATION AND FUNDS—(Continued)

	Fiscal Year—July 1, 1946 through June 30, 1947		Fiscal Year—July 1, 1947 through June 30, 1948	
BALANCES—END OF FISCAL YEAR:				
Operating Appropriations	\$	4,007.45°	\$	410,750.17
Funds—Incidental:				
State Treasury		658.42		123,157.99
On Hand & Due From Comptroller		39,557.81		38,053.37
Building Funds		1,211,479.41		2,109,011.43
		—\$1,255,703.09		—\$2,680,972.96
TOTAL EXPENDITURES		\$3,589,792.06		\$4,488,623.43
LESS FUND RECEIPTS—INCIDENTAL		— 254,864.60		— 209,153.83
NET EXPENDITURES—LESS FUND RECEIPTS		\$3,334,927.46		\$4,279,469.60
EXPENDED FOR:				
Maintenance of Patients—Net Costs:				
Florida State Hospital No. 1	\$	2,392,611.75	\$	2,952,670.21
Florida State Hospital No. 2		108,327.03		634,103.64
		\$2,500,938.78		\$3,586,773.85
Additions & Improvements—Net Before Surplus Adjustments:				
Florida State Hospital No. 1	\$	414,422.22	\$	438,939.03
Florida State Hospital No. 2		240,242.97		120,132.49
		\$ 654,665.19		\$ 559,071.52
Increment—Inventories & Receivables— Before Surplus Adjustments:				
Florida State Hospital No. 1	\$	158,302.73	\$	103,980.54
Florida State Hospital No. 2		21,020.76		29,643.69
		\$ 179,323.49		\$ 133,624.23
NET EXPENDITURES—LESS FUND RECEIPTS		\$3,334,927.46		\$4,279,469.60

COMPARATIVE MAINTENANCE STATEMENTS FOR FISCAL YEARS SHOWN

Type of Expense	Year Ended June 30, 1947		Year Ended June 30, 1948	
	Total Costs	Per Diem	Total Costs	Per Diem
Florida State Hospital No. 1:				
Food Expense	\$1,207,792.11	\$.6106	\$1,357,885.61	\$.7047
Clothing Expense	82,985.90	.0420	112,468.81	.0584
Medical & Dental Expense	380,618.17	.1924	495,900.95	.2573
General & Administrative Expense	144,709.11	.0731	188,165.59	.0977
Housing Expense	576,506.46	.2915	798,249.25	.4142
TOTALS—FLORIDA STATE HOSPITAL NO. 1	\$2,392,611.75	\$1.2096	\$2,952,670.21	\$1.5323
Average Number Patients		5,419		5,265
Florida State Hospital No. 2:				
Food Expense	\$ 46,018.54	\$1.2598	\$ 272,296.52	\$1.2148
Clothing Expense	8,848.14	.2422	15,108.96	.0674
Medical & Dental Expense	14,300.77	.3915	72,756.68	.3246
General & Administrative Expense	17,160.75	.4698	98,008.53	.4372
Housing Expense	21,998.83	.6023	175,932.95	.7849
TOTALS—FLORIDA STATE HOSPITAL NO. 2	\$ 108,327.03	\$2.9656	\$ 634,103.64	\$2.8289
Average Number Patients	(138 days)	265		612
Both Hospitals—Combined:				
Food Expense	\$1,253,810.65	\$.6224	\$1,630,182.13	\$.7578
Clothing Expense	91,834.04	.0456	127,577.77	.0593
Medical & Dental Expense	394,918.94	.1960	568,657.63	.2644
General & Administrative Expense	161,869.86	.0803	\$286,174.12	.1330
Housing Expense	598,505.29	.2971	974,182.20	.4529
TOTALS—BOTH HOSPITALS	\$2,500,938.78	\$1.2414	\$3,586,773.85	\$1.6674
Average Number Patients		5,519		5,877

Note—Our Branch Hospital, Arcadia, received its first patients February 13, 1947.

**PERCENTAGES OF MAINTENANCE EXPENSES AND NET SURPLUS INCREASES TO NET
EXPENDITURES:**

FLORIDA STATE HOSPITAL No. 1—CHATTAHOOCHEE

AND

FLORIDA STATE HOSPITAL No. 2—ARCADIA

COMBINED TOTALS—BOTH HOSPITALS:	Fiscal Year—July 1, 1946 through June 30, 1947		Fiscal Year—July 1, 1947 through June 30, 1948	
	Net Amount	Per Cent	Net Amount	Per Cent
Maintenance Expenses:				
Food	\$1,253,810.65	37.60%	\$1,630,182.13	38.09%
Clothing	91,834.04	02.75	127,577.77	02.98
Medical & Dental	394,918.94	11.84	568,657.63	13.29
General & Administrative	161,869.86	04.85	286,174.12	06.69
Housing & Custodial Care	598,505.29	17.95	974,182.20	22.76
Total for Maintenance Expenses	\$2,500,938.78	74.99%	\$3,586,773.85	83.81%
Additions & Improvements—Net before Surplus Adjustments	\$ 654,665.19	19.63%	\$ 559,071.52	13.07%
Increment—Inventories & Receivables— Before Surplus Adjustments	\$ 179,323.49	05.38%	\$ 133,624.23	03.12%
Net Expenditures—Less Fund Receipts	\$3,334,927.46	100.00%	\$4,279,469.60	100.00%
Expended From:				
Operating Appropriations	\$2,288,163.48		\$3,761,338.27	
Funds—Incidental	683,040.00		88,158.70	
Donated Surplus Commodities	18,310.15		116,664.08	
Special Building Funds	600,278.43		522,462.38	
	\$3,589,792.06		\$4,488,623.43	
Less Fund Receipts—Incidental	— 254,864.60		— 209,153.83	
Net Expenditures—Less Fund Receipts	\$3,334,927.46		\$4,279,469.60	

SUMMARIZED DISTRIBUTION OF REGULAR PAY ROLLS

YEAR ENDED JUNE 30, 1947:	FSH No. 1 Chattahoochee	FSH No. 2 Arcadia	Both Hospitals
Food Expense	\$ 97,198.12	\$ 11,308.90	\$ 108,507.02
Medical & Dental Expense	213,608.86	11,433.02	225,041.88
General & Administrative Expense	118,054.49	13,239.05	131,293.54
Housing Expense	331,868.22	9,550.48	341,418.70
Productive Departments Expense	261,347.28	2,497.36	263,844.64
Total Regular Pay Rolls	\$1,022,076.97	\$ 48,028.81	\$1,070,105.78
Average Number Employees	880	(138 days) 84	915
YEAR ENDED JUNE 30, 1948:			
Food Expense	\$ 132,712.60	\$ 57,324.44	\$ 190,037.04
Medical & Dental Expense	314,075.89	49,569.96	363,645.85
General & Administrative Expense	147,800.16	72,625.10	220,425.26
Housing Expense	478,503.20	104,611.76	583,114.96
Productive Departments Expense	327,181.37	45,663.17	372,844.54
Total Regular Pay Rolls	\$1,400,273.22	\$329,794.43	\$1,730,067.65
Average Number Employees	953	219	1,172



The Folmar Building, General Hospital—Chattahoochee

MEDICAL DEPARTMENT

STAFF

W. D. ROGERS, M. D.	Chief Physician
W. G. MILES, M. D.	Clinical Director
F. E. DAVES, M. D.**	Assistant Physician
J. B. O'CONNOR, M. D.	Assistant Physician
J. T. BENBOW, M. D.	Assistant Physician
E. E. PATE, M. D.**	Assistant Physician
E. H. RUEDIGER, M. D.	Pathologist
I. T. CLARK, M. D.**	Assistant Physician
F. S. CHANCE, M. D.**	Assistant Physician
B. E. KLINE, M. D.	Assistant Physician
R. V. ARTOLA, M. D.**	Assistant Physician
EUGENE R. SPEIRS, M. D.**	Assistant Physician
ROBERT H. MICKLER, M. D.	Assistant Physician
P. M. GEORGARIOU, M. D.	E. E. N. T.
M. C. SEXTON, M. D.	Assistant Physician
D. R. ROTHROCK, M. D.	Assistant Physician
H. B. BRUMER, M. D.	Assistant Physician
W. J. FAULKNER, M. D.	Assistant Physician
JULIAN C. DAVIS	Psychologist
A. F. DOUGLAS, D. D. S.	Chief Dentist
J. P. MUSGROVE, D. D. S.**	Assistant Dentist
W. A. SHEAROUSE, D. D. S.**	Assistant Dentist
R. F. VASON, D. D. S.**	Assistant Dentist
W. D. BROWN, D. D. S.**	Assistant Dentist
W. L. WHETSTONE, D. D. S.**	Assistant Dentist
J. D. SWIFT, D. D. S.**	Assistant Dentist
P. A. DeMAURO, D. D. S.**	Assistant Dentist
A. H. KOVALICK, D. D. S.**	Assistant Dentist
R. A. ALLEY, D. D. S.	Assistant Dentist
W. T. HICKEY, D. D. S.	Assistant Dentist
J. R. SEBERG, D. D. S.	Assistant Dentist
R. E. MORGAN	Medical Technologist
C. M. MAYHALL	Pharmacist
MARY BRAXTON	X-Ray Technician
WILLIE MAE DAVES**	X-Ray Technician
ELSIE RUNKLE**	X-Ray Technician
PEARL INGRAM**	X-Ray Technician

** Resigned

GERALDINE MCALPIN	X-Ray Technician
FLORENCE FORDHAM**	Medical Technologist
FLORENCE WILLIS**	Medical Technologist
MARY FULFORD**	Medical Technologist
MADLINE PIERCE TURNAGE**	Medical Technologist
SARAH WIGGINS**	Medical Technologist
VELMA FIELDS**	Medical Technologist
ROBERT ATKINSON**	Medical Technologist
ANNA HARRIS**	Medical Technologist
MARIAN CLARK KING	Medical Technologist
DORA FULGHAM, R. N.	Supervisor of Nurses
AUDREY HUDGENS, R. N.	Assistant Supervisor of Nurses
ETELKA YOUNG, R. N.	Director, School of Nursing
DELLA JACKSON	Acting Occupational Therapist

VISITING STAFF

J. C. DAVIS, M. D.	Urologist
MARK F. BOYD, M. D.**	Malaria Research
S. F. KITCHEN, M. D.**	Malaria Research
J. G. LYERLY, M. D.	Neurosurgeon

**Resigned

MOVEMENT OF POPULATION

On July 1, 1946, the first day of this biennial period, our patient population was 5,390, and during the period from July 1, 1946 to June 30, 1948, we had 3,048 patients admitted, resulting in 8,442 patients receiving treatment and hospitalization. This total number includes all admissions, first admissions, admissions for transfer, returns from furlough, and returns from escape. During this period the number of first admissions received was 2,359. This biennial period shows an increase in admissions over the previous biennium of 562. On June 30, 1948, the patient population of this hospital was 5,243, which is actually a decrease of 147 patients less than the population at the beginning of the biennium. The separations from the hospital include discharges, furloughs, transfers, escapes, and deaths, totaling 3,099 patients, of which 759 were transferred to Florida State Hospital No. 2 at Arcadia, Florida.

Taking into consideration the large percentage of chronic and custodial patients received during the biennial period, we feel that the above figures speak well of the work done in this hospital—for instance, 560 patients were received during this period suffering from cerebral arteriosclerosis and senility. This type of patient is usually considered a permanent patient and presents many problems in care, as many are bedridden and completely helpless. This type patient also definitely increases the population of the institution, as well as the death rate.

In speaking of the custodial type patient, other than the seniles and arteriosclerotics, this hospital received during the period covered by this report 188 mental defectives, as well as 89 cases of convulsive disorders (epilepsy). The above figures, of course, apply only to the first admissions, and do not cover the same classification of patients that are released on short visits home, or trial furloughs.

It might be interesting to mention the number of admissions of a few of the major types of conditions that comprise some of our larger groups of admission—for instance, we always expect cases of dementia praecox (schizophrenia) to be quite high. During this period there were 541 such cases admitted, which was an increase of 105 over the previous biennium. Of the manic depressive psychosis group, we had admitted 392 patients, which was a gain of 63 in this particular classification. In cases suffering from paresis and other forms of central nervous system syphilis, there were 236 admitted, a decrease of 81 cases. (See tables)

Our death rate is considered very low for an institution of this type, and compares quite favorably with other institutions throughout the country. The death rate for the first half of the biennial period was 63.3 per 1000 patients. During the last half of the biennial period the death rate was 59.0

per 1000 patients. Of course, we can not expect a much lower death rate in view of the large number of aged individuals who are presently confined to the institution, and the large number of this type patient that are being admitted each month, although we feel that it is still possible to lower this death rate some with additional facilities, nurses, and physicians. (See table)

ACTIVITIES OF THE STAFF

At the close of this biennial period the medical staff of the Florida State Hospital was composed of twelve physicians. During the biennial period the staff has averaged ten physicians devoting their full time to the work of this institution. It is useless to point out that we are badly understaffed. The work of the institution is increasing daily, and should require a staff of thirty physicians to meet all requirements of the patients. Our present budget calls for eighteen physicians, but during the past several years it has been impossible to keep a full staff due to several reasons: First, there are a limited number of physicians who are interested in psychiatry and institutional work; second, the salary paid for professional services in the institution; and third, our more or less isolated location. I might also mention that Florida does not reciprocate with other states as to medical license, and this interferes with obtaining physicians from out of the State.

The present staff is composed of the Chief Physician, Clinical Director, Pathologist, EENT Specialist, Specialist in Tuberculosis, two Surgeons, and five Psychiatrists. The two surgeons devote only a part of their time to surgery, and contribute continuously to the general work of the institution. Among our vacancies is the position of Radiologist, an important position in carrying on of the work of this institution since we are not located near a large city and able to secure a part-time Radiologist. The Radiologist is not only important from a standpoint of interpretation of the films, but essential in carrying out X-ray therapy and radium therapy in cases of malignancy. This position has now been vacant over two years, and it has been impossible to employ a Radiologist at the present salary schedule.

A breakdown in the various reports will show the large amount of work done by the limited staff. Other than the various therapies carried out, there are three Diagnostic Staff Conferences each week. These conferences are held Monday, Wednesday, and Friday morning for classification of new cases. Each case, after being completed by the attending physician, is presented to the Conference for final diagnosis and outline of therapy. Once each week—on Friday afternoon—a General Staff Conference is conducted, at which time cases that are considered recovered by the attending physician are presented for discharge. On the second Thursday night of each month a Pathological Conference is held, when all deaths are reviewed, and pathological findings presented.

PROCEDURE OF ADMISSION AND RELEASE OF PATIENTS

Patients are received in this institution following their commitment by the courts of this State. Following their commitment, application is made for their admission, and as soon as vacancies occur, their admission is authorized by the Superintendent. For several years now, we have been able to admit patients only on a replacement basis. The patient is either delivered by his or her relatives, occasionally by a friend, or by the sheriff's office, but in most instances the hospital sends for the patient. The patient is received in this institution and admitted to the Receiving Hospital, according to sex and color. The patient usually remains in the Receiving Hospital from two to three weeks, depending upon the length of time required to complete the initial work-up of the case. During this period in the Receiving Hospital, a complete psychiatric study is made, and an effort is made to obtain as much social history as possible. A thorough and careful study is made of the patient's physical condition. Routinely each patient receives an X-ray of the chest, blood count, urinalysis, stool examination, blood Kahn, spinal fluid Kahn and analysis, and any additional laboratory studies that are indicated. The patient also receives, on admission, an inoculation for typhoid and vaccination for smallpox. Following the completion of the case study in the Receiving Hospital, the patient is then presented before Diagnostic staff and treatment is instituted.

Patients may be released from the institution by two methods—either by appearing before the General Staff and being certified as competent and given a discharge, or they may be released to their nearest relative, or guardian, on furlough, which furlough is good for a period of twelve months. Following this the patient is discharged at the end of twelve months by virtue of being absent twelve months. The furlough is considered a trial visit home, which gives the patient the privilege of returning to the institution at any time during his first year of absence.

GENERAL HOSPITAL DIVISION

The division of the Florida State Hospital referred to as the General Hospital section houses the medical, surgical, and special psychiatric treatment wards. There is also a separate hospital included in this division for the cases of tuberculosis. This section is well equipped. There is a very modern surgical section consisting of two operating rooms, sterilizer room, anesthetic room, dressing room, supply room, storage room, fracture room, cystoscopic room, and an emergency room. Also located in this section is a well equipped X-ray department, employing two full time X-ray technicians. In connection with this X-ray department, is a physiotherapy section. Also located in this division is the Pharmacy which dispenses all drugs used throughout the institution, and is headed by a registered Pharmacist. The

EENT department is located in this division, and has very modern equipment. This General Hospital section comprises 420 beds, which includes the four receiving wards, and in this section all medical and surgical cases are handled. There is an urgent need for additional beds in this division of the hospital. The Folmar Building which now houses most of the physical equipment for diagnostic purposes should have wings added to accommodate 200 to 250 more patients. This could be accomplished without additional diagnostic and treatment equipment. Additions have been recommended for this building, and that is one of our urgent needs at present.

The Tuberculous Hospital has become definitely overcrowded. As a result of a complete chest study of all patients in this institution in 1945, and again in 1947. There were many cases of tuberculosis discovered and hospitalized in the tuberculous division. Overcrowded conditions are definitely detrimental to cases of tuberculosis. It is very urgent that additional space be provided for cases suffering from tuberculosis, as well as additional space being provided for the food department of the Tuberculous Hospital.

HEALTH

In view of the large number of patients committed here, and the number of employees required to operate an institution of this size, the general health of the hospital is a very important factor, especially in view of the overcrowded conditions. During this biennial period, we have had no outbreaks or epidemics of infectious and contagious diseases. We employ the practice of essential inoculation and vaccination of all patients and employees. One member of the staff devotes the larger portion of his time to the personnel of this institution. Each employee undergoes a rigid physical examination including X-ray of chest, stool examination, urinalysis, and blood Kahn; and all food handlers, and employees of the Tuberculous Hospital undergo periodic physical examinations. Our water and milk supply is tested at regular intervals. Milk from the Hospital dairy is pasteurized, and the dairy herd is under the care of a full-time veterinarian.

CLINICAL LABORATORY

The Clinical Laboratory is under the direction of a full-time Pathologist and five full-time medical technologists, when fully staffed. The Laboratory is approved for technicians' training, and there are usually from four to five students undergoing instructions here. A breakdown of the various tests performed in that department will show the vast volume of work done. The Pathologist routinely examines pathologically all surgical specimens removed. During this biennial period a total of 220 autopsies were performed. The Pathology Department and Clinical Laboratory are well equipped, and prepared to carry out any test or examination that is needed in this institution. (See table)

X-RAY AND PHYSIO-THERAPY DEPARTMENTS

During the last two years this department has continued to make routine chest examinations on all new admissions as well as on new employees.

Also a very heavy schedule has been carried out in survey work in the institution under supervision of Staff Physicians and in conjunction with the State Board of Health which surveyed the whole institution a year and a half ago.

In the accompanying table the survey by the State Board of Health is not included, only examinations made directly and independently by this Department.

An electrocardiograph unit has been added in the last year, and has been a quite helpful addition to the Department.

This department has been somewhat unfortunate in that we do not have a full time radiologist, and we are not giving deep X-ray or radium therapy at this time.

Attention is called to the detailed breakdown of the work done in this Department.

	July 1, 1946 to June 30, 1947	July 1, 1947 to June 30, 1948
X-rays	4,486	4,052
Electro-Cardiographs	0	34
Fluoroscopic Exams	442	0
Inductothermy	5	0
Infra Red	3	0

DENTAL DEPARTMENT

A. F. DOUGLAS, D. D. S., F. A. C. D., *Chief Dentist*

The biennial period of 1946-1948 has been marked by a very considerable change in the general scope of the dental service not only in this institution but by the expansion of the service to include dental care for the inmates of eight other state institutions and agencies with a total population of some 11,000 persons.

By the direction of the Board of Commissioners of State Institutions a program was authorized and activated on January 1, 1947 involving the inclusion of all the state's institutions subject to the authority of the Board, whether hospital, penal or correctional, under a plan whereby all inmates would receive comprehensive dental care, planned and directed by the



The Ernest Amos General Infirmary—Chattahoochee

Chief Dentist of the Florida State Hospital, from which institution all materials and small equipment are furnished at less cost, due to quantity buying, all staff procured and assigned, and all restorations processed in its laboratory at considerably less than could be done commercially or by the individual institutions.

The availability of a quantity of dental equipment at the time this program was authorized was a very propitious circumstance in getting the program activated. We were able, through another state agency into whose hands had come a quantity of dental equipment by virtue of the purchase of government property, to work out a sort of lend-lease arrangement resulting in the acquisition of sufficient major equipment to fill our needs in this particular. Through the State Improvement Commission we received an appropriation of \$11,875.00 and thus situated we built, rebuilt and conditioned space for dental clinics in each of the following institutions:

Florida State Prison, Raiford—4 operating room clinic
 Florida School for the Deaf and the Blind, St. Augustine, two—1 operating room clinic
 Florida Farm Colony, Gainesville—2 operating room clinic
 Florida Industrial School for Girls, Ocala—1 operating room clinic
 Florida Industrial School for Boys, Marianna—2 operating room clinic
 Florida State Hospital No. 2, Dorr Branch, Arcadia—2 operating room clinic
 Florida State Hospital No. 2, Carlstrom Branch, Arcadia—2 operating room clinic
 Florida State Farm No. 2, Belle Glade—1 operating room clinic
 State Road Department, 31 Prison Road Camps—Purchased and equipped Mobile Trailer unit, including X-ray facilities.

This expanded service was begun immediately upon authorization for its activation, and carried forward despite building operations, although limited to some degree by this activity. The reconditioning of the army equipment was accomplished at a cost of approximately \$5,000.00, and the building operations, as well as the purchase of the trailer, its conversion to our purpose, and installation of equipment have all been accomplished just within the appropriation granted us. Staff was procured up to our authorization of eight men beside the Chief Dentist, and the whole program placed in full operation at the beginning of the fiscal year on July 1, 1947.

The following presents a tabulated record of the total dental operations for the 1946-1948 biennium in all institutions included in the program:

	July 1, 1946 to June 30, 1947	July 1, 1947 to June 30, 1948
Examinations	4,020	3,430
Re-Examinations	6,386	10,674
Extractions	3,386	7,858
Curettages	12	115
Alveolotomies	13	65
Fracture Treatments	8	42

	July 1, 1946 to June 30, 1947	July 1, 1947 to June 30, 1948
Prophylactic Treatments	1,161	3,146
Palliative Treatments	636	1,619
Observations and Post Operative Treatments	3,094	4,592
Root Canal Treatments	3	70
Denture Preparations and Adjustments	2,253	4,626
Denture Deliveries	731	1,273
Bridge Preparations and Adjustments	448	684
Bridge Deliveries	65	157
Crown Preparations and Adjustments	31	282
Denture Repairs	232	319
Crown Deliveries	6	71
Bridge Repairs	13	30
Filling and Inlay Preparations	592	780
Fillings (All types)	3,159	5,607
Radiographs	463	1,344
Hospital and Ward visits	603	920
Total Operations	27,334	47,704
Total Patients seen (sittings)	23,998	36,104

The program has proved successful from all angles; in that it furnishes adequate dental care for all the state's confined wards; in that it relieves the superintendents of the various institutions of the responsibility for procuring staff, dental supplies and laboratory service, and function extraneous to their multitudinous duties of administration in other directions, and in that this complete service to all the state institutions, places Florida in the forefront of all the states in the country in this particular.

The matter of staff and salaries becomes a grave concern for the coming biennium. My initial report and recommendations to the Board for this service carried a salary schedule for the operation of this service. This was a flexible scale carrying low and high amounts for each post. These recommendations automatically carried the authorization of the Board of Commissioners of State Institutions when this body unanimously adopted all the provisions of my report and recommendations. Throughout the past biennium we have operated on the minimum salaries of the scale recommended and authorized, and have managed to carry on the program although without permanency of staff personnel, the turnover being too great for the maximum of efficiency. This amount of turnover will be evident by reference to the list of staff as noted under Medical Department (staff) on the early pages of this general report.

The difficulty of procuring staff has been and will be increasingly

apparent during the coming biennium, and it is emphasized that there exists urgent need for a broad consideration of an advanced salary schedule for the personnel of this program if it is to survive.

SURGERY

The Department of Surgery has maintained a fairly active schedule during the past two years in both fields of minor and major surgery.

A total of 1317 surgical procedures were performed during the biennium, 210 of which were major in nature, and which included all types of general surgery.

The Department handled also 174 operations for the E.E.N.T. Department, and attention is called to the detailed breakdown in the individual charts as to the types of operations performed.

During the biennium the obstetrical service handled 41 cases in the delivery room, 4 of which were delivered by cesarean section. There was one case of infant mortality.

The urology unit carried on a fairly active program with a good many cystoscopic examinations, and various consultations and routine examinations for urinary tract pathology.

In addition the Department carried on a very active program, acting as central supply unit for the entire hospital in the matter of furnishing sterile supplies, trays, examination set-ups, and the like for all hospital wards and departments.

The emergency room was under direct supervision of the Department and here all minor emergencies and examinations were carried out. Furthermore it is a duty of this Department to carry out inoculation of all new employees and reinoculation of all old employees against typhoid fever. All new employees also receive vaccination against smallpox.

We have been fortunate in having as consultants in this Department Doctor J. C. Davis of Quincy as Urologist and Doctor J. G. Lyerly of Jacksonville as Neurosurgeon. Doctor Davis and Doctor Lyerly make regular trips to the institution and see patients referred to them, performing surgery if necessary.

The surgery service is being gradually expanded as personnel and time permit, and a great many of the minor surgical ailments which in the past have had to be omitted are now being handled in the Department.

SHOCK THERAPY

As in the past Shock Therapy has been employed as a major therapeutic agent during the past two years.



Class in School of Nursing Education—Chattahoochee

Brief stimulus, conventional and insulin shock have been used in 671 cases with 12,154 shocks or comas given. Only carefully selected cases were treated by the methods of shock indicated. There were no fatalities attributed directly to shock. Dislocations and fractures were exceedingly few in number due to improvement in technique and selection of patients. Group therapy, prescribed reading, group activity in recreation and physical exercise during the period of shock lessens the fear of subsequent treatments.

End results obtained during this period have been gratifying. Shock therapy, in addition to group treatment, is perhaps the most valuable approach to the treatment of the mentally ill.

THE SCHOOL OF NURSING EDUCATION

ETELKA W. YOUNG, *Director*

The biennium ending on June 30, 1948, followed the pattern of that of the previous two years, although it ended on a more optimistic note with regard to the number of student applications. We were unable to obtain a well qualified assistant; two or three young graduates were utilized for short periods at a time.

A representative nurse from the American Psychiatric Association visited the school, and while commending highly many of its features, especially those of our basic school, she recommended some changes. All those changes recommended which did not require additional personnel or building, have been put into effect.

Several of the Florida Schools who had sent us students for Psychiatric affiliation have discontinued the affiliation. Those with whom we still have a contract are:

Good Samaritan Hospital, West Palm Beach
St. Luke's Hospital, Jacksonville
Riverside Hospital, Jacksonville
Alachua Hospital, Gainesville

The Gainesville contract was made during the past biennium. St. Vincent's and Pensacola Hospital decided to send their students to Catholic institutions; the others stated that they felt that their students had better opportunities in hospitals located in larger cities with greater educational advantages.

As before, we send our students for nine months affiliation to Charity Hospital in New Orleans, and to St. Luke's Hospital in Jacksonville. Both affiliations are satisfactory.

During the past biennium we accepted some male students in our school and at the present time effort is made to secure good affiliation for them.

We are in correspondence with Bellevue Hospital in New York, and we have hopes of affecting affiliation with them. This hospital is connected with New York University, and is one of the highest standing in the country.

The statistical report follows:

Number of basic students in school on July 1, 1946	31
Number of new students enrolled	30
Number of transfer students enrolled	2
Number of students graduated	15
Number of students on roster June 30, 1948	25
Number of applications accepted for July, 1948	34

Our thanks are due to Radio Station W.C.N.H., Quincy, for the nice publicity aid they gave us in our student recruitment program.

Twenty-three students were dropped from the school or left before completing course for the following reasons:

Married	6
Serious behavior problem	4
Unable to adjust	3
Personal or financial reason	3
Poor scholarship with failures	2
Did not like mental patients	1
Did not like F.S.H.	2
Poor health	1
Decided to go to college	1

In the affiliate school the total number of students during the biennium was 214. They are admitted every three months.

Classes are held all the year around; the total number of classes held during the past two years is 3,683. We are grateful to those members of the staff who have so faithfully assisted with the teaching.

E.E.N.T. DEPARTMENT

Due to the shortage of specialists during the war, the EENT Department was closed for several years. It opened again in February 1947 for necessary alterations so as to really start functioning March 1947. Since that date we examined, as routine, all new admissions. We performed regular refractions and treatments for all patients, employees, and prisoners at the Boys' Segregation Camp located on the Hospital farm, as the following statistics show. A total of 209 major and minor operations were performed on patients and employees. On some of the major operations, such as cataract and plastic of the eyes, it is interesting to know how much the success of these operations help the mental condition of certain patients.

The following presents a tabulated record of EENT examinations, refractions and treatments from March 1, 1947 through June 30, 1948:

Full EENT examinations of new admissions	1,789
EENT examinations separately of regular patients, employees and prisoners	1,875
Refractions	1,678
Treatments	4,222

The above figures do not include the number of professional visits to the patients hospitalized, nor do they include the number of minor adjustments and repairs to glasses.

MAJOR AND MINOR OPERATIONS OF EENT

From March 1, 1947 to June 30, 1948

Tonsillectomies	49
Cataracts	
Senile	13
Traumatic	2
Congenital	2
Complicated	5
Total	22
Enucleations	5
Plastic of the lids	
Symblepharon	2
Trichiasis	2
Ectropion	2
Pure Plastics	3
Total	9
Plastic of the orbita	5
Plastic of the face	2
Iridectomies	
Optical	12
Antiglaucomatous	5
Iris Prolaps	3
Total	20
Total Tarsorrhaphies	3
Posterior Sclerotomy	3
Removal of conjunctival cysts	3
Transplantation of Pterygia	12
Removal of Intra-ocular foreign bodies	2
Iridolysis	2
Dacryocystitis	3
Muscle Operations (Including tenotomies & advancements of the rectus)	5
Capsulotomy with irrigation of the anterior chamber	3
Needlings	9
Trephines Elliot	6
Chalazions (Done in Emergency room or EENT Dept.)	32
Removal of Hypertrophic middle turbinates	3
Esophagoscopies for removal of foreign bodies	2
Removal of Nevus Pigmentosus from the paratonsillar area	1
Tracheotomy	1

Plastic of the Auricles	1
Removal of polypus from the sinus	2
Incision of the tympanic membrane	4
Total	209

PSYCHOLOGY DEPARTMENT

The office of the psychologist, a branch of the medical department, is handled by a full-time clinical psychologist who routinely examines patients referred by hospital physicians and consults with other staff members when his services are requested.

In terms of hours devoted, diagnostic psychological testing is the most important function of the psychologist in the hospital. The following table shows the number of tests administered during the biennium: (It should be noted, however, that no test were administered in the period July 1, 1946 to November 31, 1946 as the vacancy for staff psychologist created by war-time shortage was not filled until late November 1946)

Wechsler-Bellevue	200
Stanford-Binet	114
Rorschach	103
Draw-a-Man	28
Miscellaneous Tests for Special Disabilities	32
Total	477

A recurring duty of the psychologist is lecturing on general psychology and abnormal psychology to the student nurses. One hundred and seventy-three hours have been devoted to this service during the period of the report.

As much time as possible is spent in research and this office is currently working on a project in collaboration with staff members of the psychology department at the Florida State University. However, time available for research is, at the present, inadequate for it to take its place as a major activity of the department.

ANTI-SYPHILITIC DEPARTMENT

During the two years period from July 1, 1946 to July 1, 1948, there were 2,359 admissions to the Florida State Hospital. Of this number 349 were found to have syphilis of some type, and an additional 114 were dropped or transferred without completion of diagnosis, meaning that there was either a previous history suggestive of syphilis without present conclusive findings, or else there were isolated positive Kahn reactions not fully

accounted for before the patient was furloughed or were eventually discounted as non-syphilitic. Of the known syphilitics, 238 had some form of neuro-syphilis, being further subdivided into 217 cases of the meningo-encephalitic type, and 21 cases classified as other forms of central nervous system syphilis. Thus 14.6% of all admissions were positively diagnosed as having syphilis, and some unknown portion of the 114 cases mentioned above undoubtedly would have proved to be syphilitic if they had been studied for a longer period. It is also evident that 10.08% of the total admissions had some form of central nervous system syphilis.

HEAVY METAL THERAPY

All of the above proved cases of syphilis were treated with the heavy metals, some with Bismuth, Marphasen, Iodides, Sulfarsphenamine or Tryparsamide, and some with all or various combinations of these drugs. The total number of injections with Bismuth was 11,247, with Marphasen 5,564, with Tryparsamide 160, with Sulfarphenamine 488, making the total of all injections 17,459. Iodides were used as alternative treatment in many of these cases also. The total number of patients treated as ambulatory cases with the above drugs during the two-year period was 868. Since the introduction of Penicillin, the use of Tryparsamide has been greatly reduced, as it is believed that Penicillin is more effective and less prone to produce harmful complications.

MALARIA THERAPY

In addition, there were 102 selected cases of central nervous system syphilis, divided into 69 white and 33 negro patients who were treated with Malaria Therapy during this two years period.

This procedure was established at the Florida State Hospital in 1931 by the Rockefeller Foundation under the direction of Dr. Mark F. Boyd. In November 1946 the Rockefeller Foundation discontinued its work here but left the hospital a known Malaria strain identified as *Plasmodium Malariae*, Trinidad Strain. This has been successfully perpetuated by reinoculations of new cases from donors proved to be actively infected with the strain. Each inoculated patient was permitted to have at least 20 chills with temperature elevations above 104° before being terminated, unless during the course of the infection his physical condition became such as to warrant the belief that continuation of the therapy would become extremely hazardous. All cases were terminated with Quinine and Atabrine, followed by periodic blood examinations to determine the presence of anemia or Malaria parasites. Supplementing its usage at this hospital, our known strain has been a source of supply for similar use elsewhere by mailing samples of infected blood to

other hospitals upon request, after suitable evidence that proper precautions will be taken elsewhere to prevent the spread of Malaria among the general population.

Since Malaria in itself is a very serious disease, its use as therapy is accompanied by considerable risk. This is especially the case in patients who are already suffering from a serious disease such as central nervous system syphilis, and who are frequently in substandard physical condition due both to the pathological lesions of syphilis and also to the often confused mental state which render hygiene, nourishment, and even medication considerable problems. In the two years period under consideration there have been 8 deaths in which Malaria was an associated factor. However, a thorough study of the cases shows that the direct cause of death in 5 cases was bronchopneumonia, in another coronary thrombosis, and in only 2 cases, of which one had rupture of the spleen, could the death be positively attributable to Malaria only. This gives an inclusive mortality of 7.8% in which Malaria could be considered at least a contributing factor, and only 1.9% in which Malaria was unquestionable the sole cause of death. It is interesting to note that in 5 of the 6 deaths that occurred in the white patients, Penicillin was being given concurrently with the Malaria. This practice has since been discontinued.

While an overall mortality of 7.8% of deaths from Malaria Therapy is not desirable, yet, when compared with the fact that prior to the advent of present day therapy the mortality of untreated paresis was considered to be 100% in from 3 to 5 years after the recognition of the disease, it can be seen that Malaria Therapy is still of great value despite its admitted risk.

PENICILLIN THERAPY

During this same period 701 patients with syphilis, chiefly those with some form of the central nervous system type, were treated with Penicillin. This consisted of 6,000,000 units given in the dosage of 50,000 units every three hours for 120 injections for 15 days. This group was comprised of 278 white patients and 423 negro patients, the latter further subdivided into 237 males and 186 females. It should be added that since August 1948, the total dosage of Penicillin in each case has been increased to 9,000,000 units since better results are anticipated by this quantity. There were 2 deaths from Penicillin therapy, both occurring in aged, debilitated patients, and both resulting from Herxheimer reactions, one involving the brain, and the other the heart. Since the routine employment of an initial course of Bismuth prior to Penicillin Therapy, no further such deaths have occurred.

SUMMARY

In conclusion, it can be stated that the Florida State Hospital is routinely employing accepted standardized therapies in the management of syphilis,

is also taking full advantage of newly discovered methods, and is even using types of treatment that are not generally available elsewhere. It is further believed that the results of therapy here compare favorably with those of other clinics treating syphilis. This seems to be especially true when consideration is taken of the fact that almost all the cases of syphilis admitted here are tertiary syphilis in individuals showing all degrees of mental and physical deterioration, who have had the disease for from two to twenty years, and many of whom have been either untreated or inadequately treated for many years prior to admission here.

DRUG DEPARTMENT

The drug department is in charge of a registered pharmacist and one helper. It is completely stocked with all drugs and biologicals needed in this type of hospital.

We dispense drugs daily to wards and patients on doctors' prescriptions and orders.

The following tabulation records the method and drugs dispensed to two hundred white and colored prisoners, in addition to the State patients and employees of the Hospital, during the last biennium:

Prescription orders for barbiturates, alcohol and thermometer solution	7,512
Narcotic prescriptions for wards	2,343
Department requisitions	7,948
On these requisitions we dispensed in gallons both medicine and disinfectants	9,902
Total items on requisitions, including all medicine and supplies	33,672
Employees' prescriptions	8,135

During this biennium the pharmacist supplied 200 hours teaching in the Training School for Nurses.

DIET KITCHEN

CATHERINE G. SMITH, B.S., H.D.—*Chief Dietitian*

The diet kitchen prepares and serves four standard types of diets to patients; namely, general, medical soft, dental soft, and medical liquid, averaging 1,083 meals per day. About 25 gallons of nourishments consisting of juices, malted milks, egg-nogs, fruits, etc., are sent out daily, upon doctors' orders, for patients on the 15 halls of the medical center.

The central type of food service is used and the food is transported in 12 electrically heated food carts from the diet kitchen to the halls, where it is served hot to the patients from ward serving rooms.

In addition to the standard diets mentioned above, a daily average of 120 special diets—of which 20 to 40 are calculated and weighed—are served



Colored Patients' Dining Rooms

from this department. They are delivered to the wards in an electric tray-cart with hot and cold compartments. Two women employees, assisted by student nurses, prepare the trays under the direction and supervision of a registered graduate dietitian approved by the American Dietetic Association. The chief dietitian of the diet kitchen is also the instructor for Nutrition, Laboratory Cookery, and Diet Therapy for the School of Nursing Education.

The dining room, where 3 meals a day are served to the medical staff personnel, is situated above the kitchen. A dumb waiter is used to convey hot foods upstairs where they are put on a steam table and served cafeteria style. The cold foods are placed on a buffet for selection by the diners. The daily average number of meals served here is about 130, of which 24 are special diets as ordered by doctors.

From the above figures, we find that an approximate average of 486,545 meals per annum are served by the diet kitchen.

GENERAL KITCHEN

CHARLES EVANS, *Chief Steward*

The General Kitchen has experienced a very satisfactory biennial period and is in a generally good physical condition. The turn-over of employees has been below normal and a more settled and satisfied personnel has resulted.

Several necessary improvements to equipment throughout the general kitchen and dining rooms have been made, the greatest of these having been the construction of a new dining hall for colored patients. This building, of brick construction and with concrete roof and flooring, is practically fire-proof. Its seating capacity exceeds 2,000, and it is modern in all respects. The rooms abandoned by the colored patients have been thoroughly renovated and are used, in part, as additional space for white male patients.

Although food costs have been quite unpredictable, and frequently on a "rising market," we have managed,—because of Government contributions,—to stay within our budget allotment, and to feed our patients in proper quantities and in satisfactory variations.

New bakery equipment has been purchased from the War Surplus Department of the U. S. Government. This equipment when installed will constitute quite an improvement to our general kitchen. This bakery will enable us to produce 4,000 loaves of bread or 30,000 biscuits or rolls within approximately four hours time.

We are urgently in need of a new swill room to be constructed just to the rear of the kitchen, in a separate unit.

Satisfactory ventilation within the kitchen deserves favorable consideration, as the high temperatures through the summer months create a definite hardship on the workers employed here.

OCCUPATIONAL THERAPY

DELLA JACKSON, *Acting Supervisor*

During the past two years approximately 100 patients have been in the department. Of these some fifty have made sufficient improvement to be released from the hospital and returned to their home.

During the past year we were able to secure a chenille machine for making spreads, bath sets and robes, and were able to secure for the first time since the war, shell craft for making costume jewelry and sequin embroidery, which proved fascinating work for our patients.

On the practical side of the ledger, occupational therapy produced:

- 99 quilts
- 83 pairs of curtains
- 5 cutwork tablecloths and 12 napkins to match
- 5 large tablecloths
- 7 pairs of pillow cases
- 200 stuffed toys for Christmas
- 14 rag rugs
- 2 organdy tablecloths
- 2 organdy spreads.

CHURCH AND RELIGIOUS SERVICES

REV. R. MOODY HOLMES, *Chaplain*

The Florida State Hospital recognizes the therapeutic value of religion in the rehabilitation of personality. Special effort is made to provide the patients with an opportunity to worship. Services are conducted each Sunday in chapel for those who can attend and broadcast to the wards for the benefit of those who are physically incapacitated. At these services a well-trained choir renders special music; the congregation reads responses, sings hymns, and engages in prayer, and the chaplain brings a message of faith and hope. Thus through a ministry of song and sermon many are brought comfort and encouragement.

In order to meet the needs of the various faiths represented here, arrangements are made whereby Jewish rabbis, Catholic priests, and Protestant ministers may visit and serve the people of their particular belief.

The chaplain, in addition to conducting and coordinating various religious services, visits the critically ill, has personal interviews with many of the patients, writes letters to inquiring correspondents, performs the last rites for those who are buried here, and sends a letter of sympathy to the bereaved.

At the Prison Camp for First Offenders, which is under the jurisdiction of the hospital, the chaplain conducts services, counsels with the boys, and shows educational and religious films.

LANDIS HALL—NURSES' HOME

MRS. MATTIE SHELFER, *Supervisor*

The staff at Landis Hall, the home where registered nurses, student nurses, attendants, and office personnel live, consists of a matron, two assistants, and three maids. They are assisted by colored female patients assigned from the wards to help with the housekeeping.

In this building there are date parlors and three large recreation rooms, in one of which there is a piano where the girls have Y W A and other social meetings.

The School of Nursing Education, its class rooms, demonstration rooms and dietetic laboratory, is also located here. Each bedroom has either a private or connecting bath, toilet, and lavatory, the building is fire-proof, and the furniture is steel.

This building has accommodations for two hundred and ninety-four women members of the Florida State Hospital.

RECREATION

JACK E. ANDREWS, *Supervisor*

Our present active operating recreational program includes:

- 1—Movies (on campus) for white and colored patients every Monday in the Recreation Hall.
- 2—Basketball (the season) for patients and employees on Tuesday in Recreation Hall.
- 3—Movies (in town) for all patients interested, on Tuesday.
- 4—Social hour for patients on Wednesday afternoon from 2:00 P.M. to 4:00 P.M. in Recreation Hall. This includes cards, checkers, dominoes, ping pong, and bingo games, with prizes.
- 5—Basketball games for employees (off duty) Wednesday nights and Thursday nights (in season).
- 6—An old time sing for patients on every first and third Thursday afternoon from 3:00 P.M. to 4:00 P.M. in Recreation Hall. The patients sing popular songs and hymns, with special numbers by quartets and soloists, and by the patients' choir.

- 7—A picnic for patients where conditions permit, every second and fourth Thursday afternoon. Sometimes patients are taken to some scenic spot of beauty or attraction away from the hospital for these picnics.
- 8—Dances are held for white patients every Friday afternoon and for colored patients every other Friday night in the Recreation Hall. These dances are well attended.
- 9—Employees' dances are held in the Recreation Hall each month, with good attendance.

All of the recreational programs carried on in the Recreation Hall are broadcast throughout the hospital for the benefit of the patients not able to attend.

Music is played over the radio speakers on all of the wards throughout the hospital all during the day, when no other program interferes.

In addition, playing cards, checker boards, dominoes, and other recreational equipment, are distributed to the various wards for the use of the patients who cannot leave the ward.

We are building a new recreation field, located southeast of the main hospital campus, for the use of all patients and employees. We plan to include at this field the following facilities: Baseball diamond, diamond ball field (soft-ball), football field (touch), volley ball court, horseshoe court, tennis court, shuffle board court, and facilities for picnics, with proper seating capacity for the type patient who cannot take part in these forms of recreation. This field will be lighted for night events.

It is well known that recreation plays a big part in rehabilitation of the mentally sick person, and we are striving to add any and all forms of recreation not already carried on at the hospital.

EASTERN STAR LIBRARY

MRS. A. C. JONES, *Supervisor*

During the past two years the library has been increased by the addition of 1,612 books, donated by the Eastern Star and friends of the hospital. During the same period we had donated 51,984 magazines and purchased through our drink stand operations 1,946 for the use of the patients and employees, through the library.

Our library repaired and rebound 1,008 books.

At the close of our period under report we had in the library a total of 8,582 volumes.

Fifteen patients have been employed in the library during the past two years. Seven of these have made sufficient improvement to leave the hospital and return to their home.



Eastern Star Library and Post Office

THE PRODUCTIVE DEPARTMENTS

CONSTRUCTION DEPARTMENT

CHAS. V. IMESON, *Supervisor*

The construction department of the hospital is in charge of the maintenance of existing buildings and construction of new structures; makes surveys in connection with hospital lands and keeps records of such surveys. This department has its own drafting room for the production of engineering and architectural drawings, makes its own blueprints, and constructs such architectural and engineering projects developed by the staff in the office.

In addition to the above, the insurance records for the institution are under the care of this department.

The department maintains a saw and planing mill where all lumber used in construction and maintenance is produced from timber grown on hospital lands. This department operates the Ross Shops, where lumber produced at the sawmill is fabricated into building materials for wardrobes and cabinets of various types including plain and upholstered furniture, tables, chairs, benches, window frames and window sash, doors and door frames, truck bodies—stake and other types—and the maintenance and repair of existing furniture and fixtures, for the use of the patient population. In addition these shops build and furnish caskets for deceased, indigent patients.

During the biennial period ending June 30, 1948, the construction department, from its sawmill, has produced 809,667 board feet of lumber, both hardwood and softwood, for the construction and maintenance of new and existing buildings and the fabrication of furniture and cabinets for the hospital buildings and cabinets for residences. The department has produced and delivered to the hospital bakery and general kitchen a total of 626 truckloads of wood—a by-product of the sawmill.

A sheet metal shop is operated in connection with the construction department where two sheet metal workers are regularly employed to do the necessary sheet metal work in connection with new construction; repairing old roofs, eaves trough, downspouts, gutters, etc. Aside from the fabricating of numerous cooking utensils from metals purchased from the trade, such as pot ladles, pot strainers, food carrier containers, dippers, buckets, etc. Many items of metalware are repaired in the Sheet Metal Workers' Shop.

New construction and work done on existing structures comprise the following:

NEW CONSTRUCTION

New Sewage Disposal Plant
New Dining Room Building for Colored Patients
Four New Staff Residences
Two Double Garages for Staff Residences
Three Single Garages for Staff Residences
New Sewer Extension to Staff Residences
New Steam Tunnel from Hospital to Staff Residences
Air Conditioned New Auditorium
New Swill House at New Dining Room
New Boiler House and Transformer Vault, for New Dining Room
Side Walks, 1,000 feet (approximate)
Three New Boiler Houses for Staff Residences

ADDITIONS AND ALTERATIONS

Addition to Prison Barracks No. 92
Rebuilt Flood Damaged Dam at Pump Station
Rebuilt Dining Room for Colored Prisoners
Major Repairs to Porch of White Male Building No. 46
Replaced Fire Damaged Roof on Repair Garage
Old roof on Staff Residence No. 226, has been replaced with composition strip asphalt roofing
Old roof on Residence No. 174, has been replaced with composition strip asphalt roofing
Old roof on Residence No. 165, has been replaced with composition strip asphalt roofing
Replaced a portion of the roofing on Apartment House No. 121
Major repairs to roof of White Female Ward Building No. 6
Major interior repairs to Five (5) Staff Residences after being moved from original location to new site.

Our sawmill has cut and furnished Hospital No. 2, Arcadia, Florida, with a total of 83,161 board feet of various dimensions of lumber; our shops have furnished a considerable portion of interior trim work—doors, both panel and screen, sash, window frames, door frames and moulding to Hospital No. 2, for the construction of four new residences.

In conjunction with other productive industry this department manufactures all the brooms and mops used in the hospital; repairs shoes and other leather apparel of the patients.

For the period ending June 30, 1948, the mop and broom department has manufactured a total of 7,576 brooms and 6,572 mops, the handles for which were manufactured in the carpenter shop.

Approximately five thousand pairs of shoes for patients have been repaired during the period, aside from the repairing of considerable other leather items such as harness, belts, etc.

The department has had three men constantly employed in the repair of locks, screens, replacement of glass in sash and many other minor repair jobs.

The department employs a crew of six painters who do the necessary painting of the many buildings throughout the hospital premises.

ENGINEERING

R. T. DUNCAN, *Chief Engineer*

During the past two years great strides have been made in returning all operations to normalcy after a period when everything was in a rundown condition due to shortages of material and labor.

We have been able to maintain steam for the generation of electricity, heating, cooking, laundry, sterilizing, and many other uses throughout the institution.

Our electric power production was 9,895,000 kilowatt hours.

Our ice plant manufactured and delivered 4,097 tons of ice.

Water pumped and treated averaged 1,600,000 gallons per day.

The foundry cast for institutional use only 43,246 pounds of iron, brass, and aluminum.

The garage has maintained and kept in operation 69 trucks, buses, and cars, and handled transportation of patients throughout the State without accident. A modern bus has been added to the fleet which facilitates the transfer of patients and adds to their comfort. Six obsolete trucks have been replaced with new equipment which cuts maintenance cost considerably.

During April of 1948, flood caused us to lose our waterworks dam, but with the co-operation of all departments this was restored in a minimum time without serious interruption of service.

In addition to the regular maintenance which is a major item, the following new work has been accomplished:

A 420,000 gallon fuel oil storage tank, with tunnels, piping, pumps, etc. installed and filled with oil for emergency use.

Piping installed in new brick tunnel for supplying steam to new infirmary building and new residential section.

Four new houses completed with all utilities. Five houses disconnected and reconnected at new location preparing location for new white female building. Three houses disconnected and reconnected at new location preparing for Apalachee Correctional Institution.

A modern air cooling system in the recreation hall, installed by construction department, connected with piping and wiring.

New sewerage disposal plant wired.

New dining hall for colored patients completed with all utilities.

The growth of the institution has been at such a pace all utilities are taxed to meet the demands.

A survey of all utilities was made during the latter part of 1947 by the firm of Reynolds, Smith, and Hills, Architects and Engineers, and their recommendations to improve utilities to adequately take care of the institution for a period of ten years or until 1958, which will require an expenditure of \$2,439,251.00.

It is hoped that the program can be carried out in its entirety and when completed this institution can be sure of reliable and efficient service.

THE FARM

PAUL D. BEVIS, *Supervisor*

During this biennium The Farm has again exceeded previous records in dollar values, because of inflated prices. However based on quantity of products it is not up to previous records, due to excessive rains during fall, winter, and spring 1947-48, causing loss of fertilizer, seed, and effective labor.

Total value of farm products amounts to \$461,671.36 as against \$436,762.09 for previous biennium.

On the general Farm we have cleared 55 acres of land for vegetables, 10 acres cleared for pasture at Stone place.

14 acres set in pine seedlings. Cut underbrush in about 25 acres young pines set in previous years. Cut underbrush in about 80 acres of woodland pastures.

Kept all fences repaired and cleaned. Have put up 2½ miles of new wire fence. Some replacing old wire and balance new fence.

Have had to rebuild most all cattle gaps, and bridges, and have reopened ditches and repaired many terraces. Put waterline from tank at H. J. Lay place to 12 acre tract west and 40 acre tract southwest of Lay place. Rebuilt mule lot at H. J. Lay place and at camp barn. Built storage room for oats in end of fertilizer barn.

Screened front and back porch at H. E. Conrad place, and put new floor in kitchen and repaired porch floor and steps at H. R. Helms house.

At dairy built 30 individual portable calf stalls. Built one 16' x 40' heifer shed. Also another heifer shed 24' x 38' and three small calf sheds 12' x 16'. Repaired red barn, hayracks, and feed troughs. Refenced and rearranged our dairy pastures.

PRODUCTION

<i>Farm:</i>	Quantity	Amount	Total
Fresh vegetables (kitchen use) Lbs.	1,547,285	\$62,595.47	
Potatoes, Irish Lbs.	24,906	1,116.94	
Potatoes, Sweet Lbs.	494,203	19,814.96	
Corn Bu.	20,765	41,061.50	
Pears Bu.	3,151	2,363.40	
Cantaloupes Only	80	12.00	
Watermelons Only	6,194	1,665.45	
Oat Hay Bales	700	420.00	
Peavine Bales	6,313	5,681.70	
Oats Bu.	4,530	5,209.50	
Ensilage Tons	600	4,800.00	
Rutabagas (fed to hogs) Tons	35	700.00	
Sweet Potatoes (fed to hogs) Tons	2½	110.00	
Broom Corn Lbs.	1,450	281.30	
Pecans Lbs.	5,090	1,527.00	
			\$147,359.22
<i>Pasturage for Hogs and Cattle:</i>	Acres	Amount	Total
Oats	713	\$ 6,904.00	
Peanuts	378	9,380.00	
Cane	7	525.00	
Corn	100	1,700.00	
Potatoes, Sweet	40	3,000.00	
			\$ 21,509.00
<i>Hog Farm:</i>	Heads	Pounds	
Fresh pork—			
Issued for kitchen use	239	51,965	
Hogs—Issued for pro-			
cessing, for kitchen use	1,957	410,810	
			\$103,627.84
<i>Dairy:</i>			
Milk produced	Gals. 335,109	\$171,355.79	
Beef issued for use	49 42,834	5,252.76	
Veal issued for use	29 6,300	650.10	
Cows sold	4	800.00	
Calves issued (beef herd)	6	20.00	
Calves, hides, and feed sacks sold		2,464.63	
			\$180,543.28
<i>Poultry:</i>			
Eggs produced	Doz. 5,682	\$ 3,329.74	
Chickens issued for use	402 1,530½	600.38	
Turkeys issued for use	43 752½	338.93	
Guineas issued for use	5 14½	4.12	
Ducks issued for use	35 260	83.20	
			\$ 4,356.37

Beef Herd:

Beeves issued for processing for kitchen use	67	32,750	\$ 3,783.10	
Calves issued for processing for kitchen use	9	2,730	308.70	
Goats issued for processing, for kitchen use	21	875 (dressed weight)	183.85	\$ 4,275.65
Grand Total Production from Farm				\$461,671.36

Canning Plant:

Only gallon jars of fruits and vegetables processed.

Beans, String No. 10	19,966 Jars	\$.5584	\$11,149.25
Blackberry Jelly No. 10	102 Jars	1.1600	118.32
Apples No. 10	9,858 Jars	.6000	5,914.80
Beets No. 10	2,874 Jars	.4000	1,149.60
Peas, Field No. 10	432 Jars	.8000	345.60
Apple Jelly No. 10	360 Jars	1.5000	540.00
Pear Jelly No. 10	1,100 Jars	1.5000	1,650.00
Plum Jelly No. 10	102 Jars	1.1600	118.32
Pears No. 10	14,478 Jars	.6000	8,686.80
Tomatoes No. 10	7,604 Jars	.8924	6,785.60
	56,876 Jars	Total	\$36,458.29

Grist Mill:

425,817 Lbs. Corn Meal Processed	\$.06017	\$25,624.80
10,841 Lbs. Grits Processed	.06266	679.33
	Total	\$26,304.13

FIRE DEPARTMENT

E. J. LANGLEY, *Chief*

The Fire Department personnel consists of five drivers, chief and assistant chief, also fifteen volunteer firemen. The volunteer firemen are regular employees of the hospital and receive extra compensation for their services. More than half of these volunteers make their home at the fire station and are available for instant service on night fires.

During this biennial period the volunteers have attended forty regular fire drills. Each volunteer is required to attend two drills per month, at which standard evolutions in fire-fighting are taught. This has included the following subjects: Hose Layouts, Forcible Entry, Ventilation, Gas Masks, Ladder Evolutions and Rescue.

The full-time men have received regular planned instruction in the subjects mentioned above in addition to: Pump Operation, Fire Truck Maintenance, Simple Hydraulics of Hose Streams and Fire Fighting Tactics.

In addition to their regular duties the full-time firemen have maintained all first aid fire-fighting equipment throughout the hospital, having recharged 852 fire extinguishers and kept all standpipe hose repaired and replaced as needed.

The Department is equipped with three pieces of automotive equipment which are listed as follows: 1-500 gallon per minute Triple Combination truck, fully equipped; 1-500 gallon per minute Quadruple Combination truck, carrying 257 feet of ladders and other needed equipment; and a small booster truck, which is used for general purposes.

The Department has answered sixty-nine calls during this period. Our fire loss has been the greatest of any period since the department was organized in 1937. The total fire loss amounted to \$29,194.65, most of which is charged to two serious fires involving the Automobile Repair Shops and the Ross Carpenter Shops.

On October 5, 1946 an accidental spark by a mechanic's screw driver ignited spilled gasoline in the Automobile Repair Shop, enveloping the entire shops in flames. This fire was brought under control by our department quickly, but it resulted in a loss of \$5,346.67 to building and contents.

Our largest fire occurred in The Ross Carpenter Shops on June 20, 1948, when lightning struck the building. The contents of this building were of a nature that made for a difficult fire, but nearly two-thirds of the building and contents were saved. The loss in this instance amounted to \$23,459.71.

Herewith is listed the number of calls, nature of fires, and resulting losses:

Type Fires	Calls Answered	Losses
Building Fires	11	\$28,915.30
Sawdust Fires	8	-----
Woods and Grass	25	-----
Automotive Fires	1	10.00
Bed Fires	15	114.35
Electrical Fires	5	155.00
Assistance outside hospital	4	-----
Total	69	\$29,194.65

Two Sprinkler systems have been added within the institution during this period, one in the commissary and the other in the new Ernest Amos Infirmary soon to be opened. Plans and estimates will be presented in the next budget for installation of sprinklers in the garage and Ross shops. Such plans and estimates will also include a request for outside fire escapes for hospital and ward buildings and the installation of fire alarm boxes. Central Station equipment for the fire alarm system has been installed in the Fire Station for sometime.

Our department has made special efforts to expand a fire prevention program throughout the institution. Lectures and demonstrations have been given before all ward attendants to make them more conscious of the danger from fire. Results from these efforts have been heartening and we expect to continue in this direction at an accelerated pace.

In addition to regular fire inspections by the fire department of all hospital and ward buildings, we have established a weekly self inspection by supervisors and charge attendants. Weekly written reports are made by these supervisors and charge attendants on conditions of their wards pertaining to fire prevention. These reports are forwarded to the fire department and any abnormal condition noted, and a representative is dispatched to remove or correct the hazard at once.

The response by the employees to this program has been gratifying and has aided our department greatly in eliminating many conditions that have arisen between our inspections. We extend our sincere appreciation to the Department Supervisors for this cooperation.

The full-time personnel of our department is considered inadequate to provide for utmost efficiency at all times and it is earnestly requested that the next budget provide for the addition of three men.

HORTICULTURE

JULES TERHELL, *Supervisor*

During the past two years this department has maintained the grounds of the hospital, consisting of some two hundred and twenty odd acres of campus, and has assisted in the maintenance of streets, roads and walks, in addition to aiding other departments in repairing storm damage occasioned by floods and high water during the past year.

The six residences occupied by doctors that were moved to a new location entailed much work in the way of removing and transplanting shrubbery in the yards of the new locations. These lawns had to be re-worked, grass planted, and generally beautified with palms, shrubs and flowers.

We have maintained and harvested oranges from our ten acres of satsuma grove, amounting to 1,900 bushels valued at \$5,113.00, maintained grape vineyards from which we gathered 156 bushels of grapes, and turned over to the canning plant for processing into jelly for the institution.

We have supervised and assisted in grading and seeding our new athletic field southeast of our main campus, for the use of our employees and patients.



Men's Dormitory

SANITARY DEPARTMENT

NORMAN S. JAMES, *Supervisor*

This department has made more progress in the past two years than at any time since it was organized. Through the cooperation of the ward, Prison and food departments, we have endeavored to give our hospital one of the highest sanitation rating in the country. This has been made possible through periodic inspections. The sanitary department inspects and issues grades monthly on all the buildings that have to do with housing and feeding of the patients, prisoners and employees. A monthly report is made of all inspections and furnished to the Superintendent and Chief Physician so that they may have an overall record of the general sanitary condition of the institution. This department also keeps an up-to-date Sanitary Survey Record of all buildings, by name and number, on the hospital reservation.

We now have in operation a much needed sewage treatment plant. It is the largest and most modern activated sewage treatment plant in this section of the country, consisting of nine (9) fin type mechanical aerators, which are doing an excellent job, has separate sludge digestion, with primary and secondary clarifiers. The effluent from this plant is most remarkable, having a B O D of approximately 2/10 P. P. M. However, we are very much in need of additional digester space. The present sludge digester was designed for trickling filter type treatment plant, which requires only 2½ cu. ft. per capita, whereas the activated plant requires approximately 5 cu. ft. per capita.

Pest control is one of the phases of sanitation of which we are particularly proud. Our institution at this writing is singularly free of all vermin and rodent. This is due primarily to better chemicals, which are now available, and a higher type and better trained personnel.

Our streets and grounds are kept free of trash by a detail of ten patients under the supervision of a very capable detail man. These men cover the main grounds daily, removing trash and general refuse. The streets and sidewalks are swept weekly. The street work has consumed a considerable amount of our time, which should have been applied to our patient yards. However, this work will be eliminated in the near future when our street flusher, which has been out of use for some two or three years, is put back into service.

A very much needed compactor type trash truck was purchased the latter part of 1947. This special type body has not only proved its efficiency but is unequaled from a sanitation standpoint. This truck hauled during the biennium 8,951,284 lbs. of trash. In connection with the trash it might be well to mention the fact that in the near future it is going to be necessary

to start planning some permanent means of refuse disposal, such as sanitary fills, or incineration. Incineration has a number of advantages over either land or sanitary fills for an institution of our size and type.

We are very much in need of a new swill truck. The present equipment was purchased in 1940 and has been driven some several hundred thousand miles. This truck hauls all the canning plant and vegetable shed trimmings, as well as the swill from the ward dining rooms, diet kitchen, general kitchen, tuberculosis kitchen and prison camps, and hauled during the biennium 10,642,332 lbs. of swill and vegetable trimmings.

Our office, store and mixing rooms are very, very inadequate. We are greatly handicapped and have been for several years for the lack of space. Our present office, mixing and storage rooms, consist of a metal frame building 40' x 25', with earthen floors in more than two-thirds of the building. This structure is now housing more than \$6,000.00 in supplies and equipment, some of which is so crowded there is barely walking room. We need very much an addition 40' x 25' to take care of the overcrowded condition.

BRICK PLANT

During the summer of 1946 the State acquired a brick plant at a cost of \$46,483.79, this plant to be operated by the Florida State Hospital for the purpose of producing brick to be used in the State's building program at the various state institutions. Actual production of brick was begun in September, 1946.

Following is a summary of the Brick Plant's operations from September, 1946, through June, 1948:

	Quantity	Amount
Production, at cost	4,505,248	\$74,847.59
Inventory, finished brick 6-30-48	691,818	13 282.90
Cost of brick sold and issued	3,813,430	\$61,564.69
Gross profit on sales and issues		12,952.97
Total sales and issues during period	3,813,430	\$74,517.66

SEWING ROOM

MRS. EMMA GLASS, *Supervisor*

The following is report of work done in the sewing room during the period beginning July 1, 1946, and ending June, 30, 1948;

	Quantity	Amount	Total
Clothing:			
Dresses	15,252	\$38,073.50	
Chemise	18,790	24,788.50	
Gowns	9,801	14,692.50	
Other	12,615	18,192.90	
			\$ 95,747.40
Bed Linens:			
Pillow Cases	25,709	8,960.05	
Sheets	31,156	37,323.75	
			46,283.80
Other Linens:			
Towels	37,291	6,843.90	
Miscellaneous	1,847	1,297.55	
			8,141.45
Miscellaneous Items	3,833	3,414.70	3,414.70
Clothing Repaired	3,036		
Alterations (Uniforms, War Surplus)	2,715	1,145.85	1,145.85
TOTAL PRODUCTION	162,045		\$154,733.20

In addition to the economic assistance rendered the hospital by this department, many of the ladies, who under sympathetic guidance and supervision help with the work, have found the path back to eventual health and a discharge.

MATTRESS FACTORY

H. M. DEAN, *Supervisor*

The work accomplished by the mattress factory during the period covered by this report is as follows:

	1946-47	1947-48	Total
Mattresses, cotton manufactured	1,007	949	1,956
Mattresses, cotton rubberized manufactured	40	779	819
Mattresses, moss renovated	917	613	1,530
Mattresses, cotton baby manufactured	3	0	3
Pillows, cotton manufactured	1,100	978	2,078
Pillows, cotton rubberized manufactured	5	0	5
Pillows, moss renovated	474	500	974
Pillow cases manufactured	0	369	369
Sheets, bed manufactured	650	334	984
Towels, hand manufactured	150	95	245
Awnings, manufactured	0	14	14
Bags, laundry manufactured	0	30	30
Camisoles, manufactured	55	46	101
Camisoles, repaired	104	223	327
Covers, seat manufactured	8	9½	17½
Covers, drum manufactured	0	1	1
Covers, mimeograph machine	0	1	1
Curtains, porch canvas manufactured	74	32	106
Curtains, canvas repaired	19	0	19
Cushions, Chair manufactured	8 sets	29	37
Cushions, chair repaired	2	2	4
Mangle cloths manufactured	16	18	34
Mangle cloths repaired	63	72	135
Covers, extractor manufactured	16	18	34
Covers, extractors repaired	26	44	70
Tarpaulins, manufactured	2	0	2
Tarpaulin, repaired	1	1	2
Aprons, rubberized, manufactured	4	0	4
	4,744	5,157	9,901

LAUNDRY

G. B. KIRKLAND, *Supervisor*

During the biennium we have added the following new pieces of equipment:

- 3 Tumblers
- 1 Mushroom Press
- 2 Pressing Machines (Pants, leggers)

In this period we have handled a total of 8,233,401 pounds, compared to 7,057,340 pounds during the last biennium, at a cost of \$0.0213 per pound, as compared to \$0.0205 per pound during the previous biennium.

ADMISSIONS TO THE HOSPITAL DURING THE FISCAL YEAR 1946-47

	Patients in Hospital	Admitted on Commitment	Returned from Furlough	Returned from Escape	Readmitted on Former Commitment	Admitted to be Transferred to Another State	Committed by Circuit Court	Returned from Furlough On New Commitment	Committed by Criminal Court of Record	Recommitted While On Escape	Committed by Court of Record	Admitted by Order of Criminal Court of Record for Transfer to Maryland	Returned from Arcadia	Admitted by Birth
July	5,390	82	27	1	6	2	-----	-----	-----	-----	-----	-----	-----	-----
August	5,400	84	38	4	7	-----	1	1	1	-----	-----	-----	-----	-----
September	5,429	74	28	3	6	-----	1	-----	-----	1	-----	-----	-----	-----
October	5,445	88	14	3	10	-----	-----	-----	-----	-----	-----	-----	-----	2
November	5,460	64	16	3	6	-----	2	-----	-----	-----	1	-----	-----	2
December	5,467	72	31	2	9	-----	-----	-----	-----	-----	-----	-----	-----	-----
January	5,465	100	17	4	6	-----	-----	-----	1	-----	-----	-----	-----	1
February	5,511	88	15	1	4	1	-----	-----	-----	-----	-----	1	-----	-----
March	5,478	92	17	1	8	-----	-----	1	3	-----	-----	-----	-----	1
April	5,413	93	17	3	8	-----	-----	-----	2	-----	-----	-----	-----	-----
May	5,326	90	18	9	11	-----	1	1	1	-----	1	-----	4	1
June	5,293	68	17	1	6	1	1	-----	-----	-----	-----	-----	-----	1
		992	255	35	87	4	6	3•	8	1	2	1	4	8

ADMISSIONS TO THE HOSPITAL DURING THE FISCAL YEAR 1947-48

	Patients in Hospital	Admitted on Commitment	Returned from Furlough	Returned from Escape	Readmitted on Former Commitment	Committed by Criminal Court of Record	Returned from Furlough On New Commitment	Admitted by Authority of the Board from the Boys' Industrial School for Obs.	Transferred from Florida Farm Colony	Committed by Circuit Court	Admitted for Observation	Committed to Be Transferred to Another State	Committed by Court of Record	Returned from Arcadia	Admitted by Birth
July	5,271	99	22	1	14	3									
August	5,269	98	25	2	6		1	1							1
September	5,287	96	17	2	8									2	
October	5,273	89	15	3	10		2								2
November	5,230	84	27	2	4	1			1	1					2
December	5,219	86	25	3	4					3					1
January	5,234	97	21	7	4	1				1				3	
February	5,249	88	10	2	8	2									1
March	5,254	115	20	2	10	1						1		6	
April	5,299	78	8	7	3	2				2					
May	5,312	84	16	6	8	3					1	1			1
June	5,293	121	21	6	10		1	1					1		2
	1,135	227	43	89	13	4	2	1	7	1	2	1	11	10	

SEPARATIONS FROM THE HOSPITAL DURING THE FISCAL YEAR 1946-47

	Furloughed	Discharged	Died	Escaped	Babies Sent Home	Discharged—Transferred to Another State	Discharged—Transferred to Veterans' Hospitals	Transferred to Arcadia	Transferred to Raiford	REMAINING
July	61	8	32	2	-----	1	4	-----	-----	5,400
August	68	6	22	6	-----	2	3	-----	-----	5,429
September	54	11	25	4	-----	-----	-----	-----	-----	5,445
October	45	13	39	4	-----	-----	1	-----	-----	5,460
November	45	8	28	4	2	-----	-----	-----	-----	5,467
December	66	9	37	3	1	-----	-----	-----	-----	5,465
January	32	7	34	8	-----	-----	2	-----	-----	5,511
February	37	2	35	1	1	-----	1	65	1	5,478
March	28	13	46	1	-----	2	-----	97	1	5,413
April	46	4	35	4	1	2	1	117	-----	5,326
May	54	4	30	9	-----	-----	-----	73	-----	5,293
June	51	7	48	2	1	-----	2	4	2	5,271
	587	92	411	48	6	7	14	356	4	

SEPARATIONS FROM THE HOSPITAL DURING THE FISCAL YEAR 1947-48

	Furloughed	Discharged	Died	Escaped	Babies Sent Home	Discharged—Transferred to Other States	Discharged—Transferred to Veterans' Hospitals	Transferred to Arcadia	Transferred to Raiford	Transferred to Boys' Industrial School	Discharged to the Criminal Court of Record	Discharged to Circuit Court	Discharged to Return to the Courts	REMAINING
July	57	5	33	4	-----	1	-----	40	1	-----	-----	-----	-----	5,269
August	58	8	37	7	1	2	2	-----	1	-----	-----	-----	-----	5,287
September	31	2	28	4	-----	-----	2	71	-----	1	-----	-----	-----	5,273
October	46	2	37	6	2	-----	1	70	-----	-----	-----	-----	-----	5,230
November	54	3	35	5	-----	-----	1	35	-----	-----	-----	-----	-----	5,219
December	71	3	26	2	1	-----	3	-----	1	-----	-----	-----	-----	5,234
January	34	2	35	9	2	-----	2	35	-----	-----	-----	-----	-----	5,249
February	40	3	20	3	1	-----	-----	35	3	-----	1	-----	-----	5,254
March	43	3	26	2	-----	1	-----	35	-----	-----	-----	-----	-----	5,299
April	44	4	30	7	-----	1	-----	-----	-----	-----	-----	1	-----	5,312
May	75	5	33	8	2	2	3	10	-----	-----	-----	-----	1	5,293
June	79	7	45	8	-----	1	-----	72	-----	-----	-----	1	-----	5,243
	632	47	385	65	9	8	14	403	6	1	1	2	1	

PSYCHOSES OF FIRST ADMISSIONS

	July 1, 1946 through June 30, 1947					July 1, 1947 through June 30, 1948				
	W.M.	W.W.	C.M.	C.W.	Total	W.M.	W.W.	C.M.	C.W.	Total
1. General Paresis	24	11	49	17	101	23	11	64	18	116
2. With other forms of Syphilis of the Central Nervous System	5		6	1	12	4	2	3		9
3. With Epidemic Encephalitis	1				1	2				2
4. With other Infectious Diseases		1	2	1	4	4		1		5
5. Alcoholic	14	2	2		18	22	7	2	3	34
6. Due to Drugs and other Exogenous Poisons	1	3			4	6	4			10
7. Traumatic	1				1	5		1		6
8. With Cerebral Arteriosclerosis	29	31	30	19	109	41	47	29	19	136
9. With other Disturbances of Circulation								1	2	3
10. With Convulsive Disorders	13	6	6	4	29	16	24	12	8	60
11. Senile	75	59	8	9	151	68	75	16	5	164
12. Involutional Psychosis		24		6	30	6	26		4	36
13. Due to other Metabolic, etc. diseases	1	2			3	4				4
14. Due to New Growth		2			2					
15. With Organic Changes of the Nervous System	6	1	2	1	10	5	3	1	1	10
16. Psychoneurosis	6	8		4	18	9	19	1	2	31
17. Manic Depressive	28	112	14	45	199	49	87	23	34	193
18. Dementia Praecox (Schizophrenia)	71	78	37	63	249	78	106	41	67	292
19. Paranoia and Paranoid Conditions	2	4			6	5	8			13
20. With Psychopathic Personality	15	12	3	1	31	16	4	2		22
21. With Mental Deficiency	36	26	28	8	98	26	29	19	6	80
22. Other Undiagnosed and Unknown Psychoses	5	3	1	2	11	8		3		11
TOTAL WITH PSYCHOSIS	333	385	188	181	1,087	397	452	219	169	1,237

(Continued Next Page)

PSYCHOSES OF FIRST ADMISSIONS—(Continued)

	July 1, 1946 through June 30, 1947					July 1, 1947 through June 30, 1948				
	W.M.	W.W.	C.M.	C.W.	Total	W.M.	W.W.	C.M.	C.W.	Total
24. Epilepsy										
25. Mental Deficiency	1		1	2	4	1				1
26. Alcoholism		1	4		5	1	5	2		8
27. Drug Addiction	1				1	2				2
28. Personality Disorders due to Epidemic Encephalitis										
29. Psychopathic Personality		2	2		4	1	1	1		3
30. Primary Behavior Disorders										
31. Others, Unclassified and Unknown Psychoses		1	2		3	1	1	1	1	4
TOTAL WITHOUT PSYCHOSIS	2	4	9	2	17	3	10	4	1	18
GRAND TOTAL	335	389	197	183	1,104	400	462	223	170	1,255

DEATH RATE AT THE FLORIDA STATE HOSPITAL OVER A PERIOD OF FOURTEEN YEARS

Fiscal Year	Patients Treated During Year	Deaths During Year	Death Rate per 1000 Patients
1947-48	6,526	385	59.0
1946-47	6,494	411	63.3
1945-46	6,548	400	61.0
1944-45	6,405	402	62.7
1943-44	6,432	451	70.1
1942-43	6,350	380	59.7
1941-42	6,184	310	50.1
1940-41	5,810	328	56.4
1939-40	5,508	294	53.4
1938-39	5,258	305	58.0
1937-38	5,072	272	53.6
1936-37	4,966	311	62.6
1935-36	4,723	299	63.3
1934-35	4,877	364	74.6

ADMISSIONS BY COUNTIES

	July 1, 1946 through June 30, 1947					July 1, 1947 through June 30, 1948				
	WM	WW	CM	CW	Total	WM	WW	CM	CW	Total
Alachua	5	6	3	5	19	4	6	5	4	19
Baker	1	1			2	2		1		3
Bay	9	5			14	7	4	1	2	14
Bradford	2				2		2			2
Brevard	1	4	4	3	12	5	4	5	4	18
Broward	6			2	8	6	4	6	6	22
Calhoun	2	1			3	4	7	1	1	13
Charlotte				1	1	1	2			3
Citrus	1	1	1		3	2				2
Clay		1		2	3	1	1		1	3
Collier		1	1		2		2	2	1	5
Columbia	2	2	3	6	13	4	5	2	3	14
Dade	39	60	9	19	127	43	70	27	27	167
DeSoto	2	2	3		7	4	1			5
Dixie	2	1			3	1		1		2
Duval	28	42	31	22	123	40	61	24	16	141
Escambia	17	16	9	4	46	22	21	10	6	59
Flagler			1		1		2	2		4
Franklin		2	1		3					
Gadsden	5	6	5	12	28		6	7	8	21
Gilchrist	1	1			2	3	2			5
Glades						1				1
Gulf		2	5		7	4	2			6
Hamilton		1	1		2	1	1	3	2	7

ADMISSIONS BY COUNTIES—(Continued)

	July 1, 1946 through June 30, 1947					July 1, 1947 through June 30, 1948				
	WM	WW	CM	CW	Total	WM	WW	CM	CW	Total
Hardee	3	3			6	3	2	1		6
Hendry			1	1	2	1	1	1	2	5
Hernando		1	2		3	3		1		4
Highlands	1	2			3	2	3	1		6
Hillsborough	26	38	12	6	82	32	57	11	9	109
Holmes	6	5			11	3	3			6
Indian River	1	2	1		4	2	2	2		6
Jackson	4	9	2	5	20	6	6	3	1	16
Jefferson	1	1	1	1	4	3		2	1	6
LaFayette	1	1			2	2				2
Lake	1	6			7	3	8		3	14
Lee	7	5	2	6	20	3	7	1	3	14
Leon	5	11	6	11	33	5	9	8	8	30
Levy	4	3	1	1	9		2	3	3	8
Liberty	1	1			2		1			1
Madison	1	2	3	2	8	1	1	4		6
Manatee	8	4	6	2	20	10	5	1	3	19
Marion	3	3	6	4	16	4	6	6	5	21
Martin	2		1	1	4	1	3	1		5
Monroe	7			1	8	4	5	1		10
Nassau	1	1	1	1	4		1	3	3	7
Okaloosa	5	5			10	6	6	1	1	14
Okeechobee		2			2					
Orange	19	13	9	7	48	16	12	9	4	41
Osceola	5	4	1		10	4	4	1		9
Palm Beach	14	11	12	11	48	19	20	15	4	58
Pasco	5	1	1		7	8	2	3	2	15
Pinellas	16	26	4	9	55	10	22	6	6	44
Polk	16	22	5	13	56	22	17	7	8	54
Putnam	3	4	2	1	10	10	2	4	3	19
Santa Rosa	3	6	1		10	3	1			4
Sarasota	4	4		3	11	4	8	2		14
Seminole	4	2		2	8	1	1	7	3	12
St. Johns	4	2	8	3	17	3	2	4	4	13
St. Lucie	2		3	4	9	4	4	2		10
Sumter	2	3	1	1	7	3	3	1		7
Suwannee	2	5	15	2	24	8	10	2	1	21
Taylor	3	3	1	4	11	5	2	1		8
Union	10	3	3	2	18	3	2	6		11
Volusia	9	11	8	1	29	13	12	2	8	35
Wakulla		1			1	2	1			3
Walton		3		2	5	7	2		1	10
Washington	3	5	1		9	6	4	2	2	14
Other States								1	1	2
TOTALS	335	389	197	187	1,104	400	462	223	170	1,255

LABORATORY

Serology:

Kahn, Qual.	9,053
Kahn, Quan.	1,295
Hinton	1,846
Wasserman	90
CSF-Kahn	3,337
CSF-Hinton	510
CSF-Total Protein	3,322
CSF-Albumin	3,322
CSF-Globulin	3,322
CSF-Cell Count	3,229
CSF-Colloidal Gold	802
CSF-Wasserman	90
CSF-Sulfonamide	1
CSF-Culture	9
CSF-Sugars	13

Blood:

Agglutination	260
Bleeding time	63
Bromide level	42
Calcium	8
Cholesterol	18
Coagulation time	70
Color Index	1
Counts, complete	6,882
Counts, red and hemoglobin	1,224
Counts, white and differential	141
Creatinine	113
Cross match	142
Cultures	121
Groupings	140
Icterus Index	288
Rh typing	23
Non-protein nitrogen	208
Parasite count	34
Phosphorous	1
Proteins	18
Platelet count	1
Reticulocyte count	10
Sedimentation rate	732
Smears	5,670
Smears for malarial parasites	1,819
Sugar	942
Prothrombin time	33
Sulfa determinations	9
Urea nitrogen	1
Van den Bergh	27

Uric acid	8
Heterophile antibody test	27
Serum protein	3
Hematocrit	13
Thiocyanate level	1
Clot retraction time	1

Miscellaneous:

Autopsies	220
Autopsy specimens, Microscopic	2,588
A. Z. Tests	99
B. M. R.	42
Feces	8,163
Chlorides, water	2
Carbon Dioxide Combining Power	1
Darkfield	12
Gastric analysis	23
Gastric contents, conc. for T. B.	243
Gram stains	1,088
Glucose tolerance tests	19
Guinea pig inoculation	1
Milk analysis	81
Butter fats	67
Miscellaneous cultures	69
Pneumo typing	2
Sputum smears for T. B.	1,172
Sputum conc. for T. B.	3,640
Sputum culture	338
Stools stained for T. B.	54
Throat culture	5
Throat smears	31
Urinalysis	25,158
Urine culture	50
P. S. P. test	12
Urine conc. for T. B.	1
Urine test for Arsenic	1
Urine test for bile	1
Urine test for Urobilinogen	16
Water analysis	399
Stools for acid fast	105
Autogenous vaccine	6
Sulfadiazine level	19
Sulfathiazole level	4
Sulfanamide level	3
Galactose tolerance	3
Examination for malignant cells	1
Urine protein partition	1
Sputum examination for amoebae	3
Benzidien for occult blood	5
Bile	14

Urobilin	1
Wet preparation	5
Sputum culture	9
Mitotic cell examination	2
Bilirubin, biliverdine	1
Spinal culture	1
Cancer cell examination in sputum	1
Skin test	5
Urobilinogen	16
Gross examination of parasites	1
Trichomonas smear	1
Eye smear	19
Gum smear	5
Urine creatinine	1
Urine cell count	2
Quan. sugar	2
Total	94,293

E. H. RUEDIGER, M. D.
Laboratory Director

OPERATING ROOM

July 1, 1946 to June 30, 1948

Excisions Internal Semilunar Cartilage	1
Caesarean Sections	4
Bilateral Prefrontal Lobotomy	4
Gastrotomy	1
Pelvic Laparotomy, Appendectomy, Right Oophorectomy, Defundation of Uterus ..	1
Subtotal Thyroidectomy	2
Suprapubic Cystostomy	5
Hydrocelectomy	1
Open Reductions of Olecranon	2
Open Reduction with wiring of Patella	2
Laparotomy, Posterior Gastro Jejunostomy	2
Laparotomy, Salpingectomy, Right	1
Perineorrhaphy, Hysterectomy, Left Salpingo-Oophorectomy; Appendectomy	2
Vaginal Hysterectomy	2
Defundation of Uterus	1
Amputation, Lower Extremity, Right, at junction of Upper and Middle Third	4
Simple Mastectomy, left	2
Exploratory Laparotomy, Closure for Various Reasons	5
Exploratory Laparotomy, Gun Shot Wound, Closure of Transected Bowel by Connell and Lambert Suture	1
Suprapubic Prostatectomy	2
Bilateral Saphenous Vein Ligation	1
Nephropexy, Right Kidney	1
Reduction of Volvulus of Ileum	1
Laparotomy, Subtotal Hysterectomy, Drainage of Pelvic Abscess	1

Laparotomy, Bilateral Oophorectomy and Appendectomy	3
Laparotomy, Right Oophorectomy and Appendectomy	2
Partial Resection of Lower Lip	1
Laparotomy, Suspension (Baldy-Webster), Salpingectomy and Appendectomy	1
Removal of Vanadium Plate	1
Laparotomy, Right Oophorectomy, Left Salpingectomy and Appendectomy	3
Laparotomy, Removal of Foreign Body from Jejunum	1
Diverticuli of Bladder, Removed Extra Peritoneally	1
Cystotomy, Large Cobblestone Type Calculi Removed	1
Laparotomy, Salpingo-Oophorectomy, Right Reduction of Volvulus	1
Laparotomy, Appendectomy; Enucleation of Corpus Luteum Cyst and Paraovarian Cyst	1
Laparotomy, Salpingectomy, (Ectopic Pregnancy)	1
Laparotomy, Reduction of Intestinal Obstruction	4
Orchidectomy, Right	1
Nephrectomy	2
Right Lumbar Partial Laminectomy	1
Secondary Closure of Incision	2
Amputation of Third Finger through First Phalanx	1
Laparotomy, Resection of Cervix	3
Radical Mastectomy	4
Extirpation of Right Breast Tumor	1
Open Reduction of Zygomatic Fracture	1
Laparotomy, Janeway-DePage Gastrostomy, Tubovular Type	1
Amputation, Fifth Finger	1
Thyroidectomy	1
Two Bone Spurs Removed from Medial Side of Phalanx, Index Finger	1
Resection of Ileum, Hernioplasty	1
Repair of Gastrocnemius Tendon	1
Biopsy and Excision of Breast Tissue	1
Ventriculogram	1
Vaginal Hysterectomy, Perineorrhaphy	1
Laparotomy, Resection, Right Ovarian Cyst	1
Laparotomy, Hysterectomy, Bilateral Salpingo-Oophorectomy, Appendectomy and Cauterization of Cervix	1
Laparotomy, Total Hysterectomy, Left Salpingo-Oophorectomy	1
Laparotomy, Colostomy	1
Panhysterectomy (Laparotomy)	1
Laparotomy, Resection of Pelvic Cyst and Abdominal Wall Cyst	1
Laparotomy, Gastroenterostomy, Lysis of Adhesions	1
Laparotomy, Supracervical Hysterectomy and Appendectomy	12
Laparotomy, Supracervical Hysterectomy and Left Oophorectomy and Appendectomy	5
Laparotomy, Supracervical Hysterectomy, Salpingo-Oophorectomy and Appendectomy	6
Laparotomy, Cholecystostomy and Appendectomy	17
Laparotomy, Appendectomies	37
Herniorrhaphies	31
Fractures, Fifth Thoracic Vertebrae, Immobilizations	2

Separation of Transverse Process of First Lumbar Vertebra Immobilization	1
Lacerations of Various Parts of Body Sutured	496
Incisions and Drainage of Abscesses Over Body	79
Removal of New Growths from Various Parts of Body	70
Extractions of Teeth Under Anaesthesia	29
Treatments of Gunshot Wounds	3
Biopsy from Various Parts of Body	6
Debridement of Burns	4
Circumcisions	16
Infection of Nerve	1
Removal of Foreign Bodies from Various Parts of Body	8
Hemorrhoidectomies	10
Treatment of Stab Wounds	9
Blood Transfusions	92
Cystoscopic Examinations	56
Deliveries	37
Abdominal Paracentesis	30
Excision and Fulguration of Condylomata of Rectum and Anus	1
Multiple Ligation of Saphenous Venous System Leg	2
Aspiration of Bursa	2
Injection of Novocaine into Bursa	2
Fistulotomy	1
Resection of Facial Carcinoma	3
Hymenectomy with Cold Cautery	1
Drainage of Hydrocele	4
Removal of Nipple (Ca of Breast)	1
Excision of Cervical Polyp	1
Electrocoagulation of Verucca	7

EXAMINATIONS AND TREATMENTS

Proctoscopic Examinations	40
Urethral Dilatations and Irrigations of Bladder	43
Ambulatory Treatments	4,383
Bladder Irrigations	98
Catheterizations	38
Ear Irrigations	178
Eye Irrigations	302
Hypodermic Treatments	686
Intramuscular Treatments	1,624
Operations, Major and Minor	1,317
Typhoid Vaccine	5,942
Smallpox Vaccine	560

TRAYS

Bladder Irrigation Trays	212
Blood Transfusion Trays	92
Catheterization Trays	2,556
Douche Trays	212

Hypodermic Trays	5,390
Infusion Trays	6,358
Intravenous Trays	2,339
Lavage Trays	135
Lumbar Puncture Trays	121
Hypodermoclysis Trays	1,856
Speculum Examination Trays	327
Sound Trays	131
Surgical Trays	1,394
Preparation Trays for Operations	180
Wagensteen Suction Trays	91

HOSPITAL DEPARTMENT

WHITE MALE

	July 1, 1946 June 30, 1947	July 1, 1947 June 30, 1948
New Admissions, Regular Commitments	288	349
New, Committed by Criminal Court of Record	4	9
New, Committed by Court of Record	1	1
New, Committed by Circuit Court	4	5
New, Committed for Purpose of Being Transferred to Other States	2	2
New, Admitted Without Papers, for Purpose of Being Transferred to Other States	1	0
New, Transferred from Florida Farm Colony	0	1
New, Admitted Without Papers, By Authority of Board from Florida Industrial School for Observation	0	2
New, Admitted by Authority of Board Without Papers, For Observation and Examination	0	1
Returned from Hospital No. 2, Arcadia, Florida	0	4
Readmitted on Former Commitments	34	27
From Furlough, Regular Manner	94	81
From Furlough on New Commitment	0	3
From Escape, Regular Manner	12	22
From Escape on New Commitment	1	0
Number of State Patients Treated in Hospital	1,281	1,332
Daily Average of White Male Patients in Hospital	111	118

WHITE FEMALE PATIENTS

New Admissions, Regular Commitments	350	427
New, Committed by Criminal Court of Record for Purpose of Being Transferred to Another State	1	0
New, Admitted for Purpose of Being Transferred to Other States, No Papers	1	0
Returned from Hospital No. 2, Arcadia, Florida	4	7
Readmitted on Former Commitment	36	34
From Furlough, Regular Manner	108	103
From Furlough on New Commitment	1	1
From Escape, Regular Manner	1	1
Babies Born of State Patients (Male and Female)	6	5
Number of White Female Patients Treated in Hospital	1,028	1,121
Daily Average of White Female Patients in Hospital	74	74

COLORED MALE PATIENTS

New Admissions, Regular Commitments	183	200
New, Committed by Criminal Court of Record	4	4
New, Committed by Circuit Court	2	2
Readmitted on Former Commitment	7	17
From Furlough, Regular Manner	14	12
From Furlough on New Commitment	1	0
Returned from Escape	10	6
Number of Colored Male Patients Treated in Hospital	438	399
Daily Average of Colored Male Patients in Hospital	32	22

COLORED FEMALE PATIENTS

New Admissions, Regular Commitments	171	159
New, Committed by Court of Record	1	0
Readmitted on Former Commitments	10	11
From Furlough, Regular Manner	26	18
From Furlough on New Commitment	1	0
From Escape	3	0
Babies Born (Male and Female)—of State Patients	2	5
Number of Colored Female Patients Treated in Hospital	413	328
Daily Average of State Patients	28	19

TOTAL

New Admissions, Regular Commitments	992	1,135
New, Committed by Criminal Court of Record	8	13
New, Committed by Court of Record	2	1
New, Committed by Circuit Court	6	7
New, Committed by Criminal Court of Record for Purpose of Being Transferred to Another State	1	0
New, Admitted for Purpose of Being Transferred to Other States, No Papers	2	0
New, Committed for Purpose of Being Transferred to Other States	2	2
New, Admitted from Florida Industrial School for Observation and Examination—No Papers	0	2
New, Admitted by Authority of Board for Observation, No Papers	0	1
New, Transferred from Florida Farm Colony	0	1
Returned from Hospital No. 2, Arcadia, Florida	4	11
Readmitted on Former Commitments	87	89
Babies Born of State Patients	8	10
Returned from Furlough, Regular Manner	242	214
From Furlough on New Commitments	3	4
Returned from Escape, Regular Manner	26	29
From Escape on New Commitment	1	0
Number of State Patients Treated in Hospital	3,160	3,180
Daily Average of State Patients Treated in Hospital	245	233

FLORIDA STATE HOSPITAL NO. 2

DORR AND CARLSTROM

ARCADIA



Administration Building

Opened February 13, 1947

J. H. THERRELL *Superintendent*
Chattahoochee

F. E. DAVES *Clinical Director*

THOMAS V. DAVIS *Plant Superintendent*

HAROLD E. PARKER *Assistant Physician*

C. W. OLSON *Assistant Physician*

AUBREY J. LEWIS *Dentist*

EUGENE C. WEY *Drug Clerk*

KATHERYNE McLAIN EDWARDS *Superintendent of Nurses*
Carlstrom Hospital

VERNA L. HARDEN *Superintendent of Nurses*
Dorr Hospital

MINNIE LEE CLOUD *Supervisor*
White Female Department

O. E. HARDEN *Supervisor*
White Male Department

Arcadia



General Hospital—Arcadia

MOVEMENT OF POPULATION

Dorr Hospital

The Florida State Hospital No. 2, Dorr Branch, has received during the period under report, 442 white female patients transferred from the Florida State Hospital at Chattahoochee, and 70 white female patients transferred from the Florida Farm Colony at Gainesville.

We are ending this period with a total population of 416 patients. A total of 2,732 patients have received treatment and hospitalization during the year of the hospital's existence.

Our death rate is low, having lost only four patients during this period by death.

Seventy-nine patients have been furloughed during this time, eight were discharged, eleven transferred to the main hospital at Chattahoochee, and four have escaped, all having been returned.

Carlstrom Hospital

The Carlstrom Branch of the Florida State Hospital No. 2 has received during the period under report, 317 white male patients transferred from the main Hospital at Chattahoochee, and 42 white male patients transferred from the Florida Farm Colony at Gainesville. This period is from July 22, 1947 through June 30, 1948.

Thirty-one male patients have been furloughed during this time, four were returned to Chattahoochee, three were discharged, two have died, and ten have escaped. Only one of those who escaped has not been apprehended.

ACTIVITIES OF THE STAFF

The hospital staff is composed of only two doctors and two nurses. For a time it was impossible to gather an operating team from staff members. Staff conferences are held for the purpose of bringing before the staff patients to be considered for discharge, those returning from furlough, and questionable furlough cases.

MEDICAL AND SURGICAL DIVISION

The Medical Center consists of 26 beds for patients, located in the same building. We have two doctors, including the Clinical Director, two graduates nurses, six nurse's aids, and one maid.

HEALTH OF THE INSTITUTION

The general health of the institution is quite important, due to the number of patients and employees. There have been no epidemics of infectious or contagious diseases during this period. We employ the practice of essential inoculation and vaccination of all patients and employees.

One staff member devotes a considerable portion of his time to the care of the employees, and each employee undergoes a rigid physical examination which includes X-ray of chest, stool examination and blood tests.

All food handlers are examined at regular intervals. Our water is tested at the laboratory weekly, and only pasteurized milk is served at the hospital.

DIET KITCHEN

Dorr Hospital has been operating during this period without the service of a dietitian. We are badly in need of a dietitian.

GENERAL KITCHEN

Meals are served daily to patients and personnel, totaling 1,547 meals a day.

RECREATION

Recently we acquired a large hangar which was formerly used by the Aviation Corps and which we are now using as a day room. All of our patients, other than the ones confined to the Infirmary because of illness, are enjoying this large space where there is plenty of room for games and other activities. The patients attend a movie one night each week which is shown at the day room.

Magazines are supplied for our patients by various lodges and other groups in the community.

A weekly dance is held with the patients of both Carlstrom and Dorr Hospitals participating.

A number of games, such as chess, checkers, shuffleboard, volleyball, and cards are enjoyed by the patients during the day in the day room, while softball is played three times a week on our softball diamond. We are fortunate in having Mr. Joe Brown as our recreational leader.

LIBRARY

The supply of books for the use of patients is extremely small. The few that are on hand were donated by individuals. The need is felt for a supply of good reading material.

SHOCK THERAPY

Electro-shock therapy was instituted at Dorr Hospital on July 1, 1947. Up to the period closing on June 30, 1948, 292 treatments were administered to patients. This will be continued in the future, as the results are proving satisfactory.

Shock Therapy was first instituted at Carlstrom Hospital on May 12, 1948. To date shock treatments have been given to eighteen of our patients, a total of one hundred and sixty-three treatments having been given.

The results thus far have been very favorable.

SURGERY

The Surgical Department of Florida State Hospital was established in January of 1948. The first major operative procedure was performed at Carlstrom Field on February 13, 1948. Surgical procedures to date have been greatly restricted due to lack of personnel. Much of the time we have lacked enough personnel to assemble an operating team and have never had enough nursing facilities to manage but few surgical patients in addition to the medical patients in the Infirmary. The Department is deeply indebted to the following: Mrs. Lawrence, Mrs. Edwards, assistant, Mrs. Meece, anaesthetist, and Mrs. Britt, nurse, of Carlstrom Hospital, and Mrs. Harden, Mrs. Caldwell and Mrs. Parker, nurses at Dorr Hospital.

A resume of our Surgical Department follows:

1. Lacerations	31
2. Transfusions	4
3. Fractures and Dislocations	9
4. Open reductions	1
5. Biopsies	8
6. Excision of benign growths	34
7. Excision of malignant growths	2
8. Abdominal surgery	2
9. Pelvic surgery (major)	1
10. Pelvic surgery (minor)	7
11. Herniorrhaphies	4
12. Rectal surgery	10
13. Saphenous ligations	8
14. Injection of varicose veins	20
15. E.E.N.T. surgery	9
16. Incision and drainage of abscesses	19
17. Skin grafts	2
18. G.U. surgery	2
TOTAL	173

CHURCH AND RELIGIOUS SERVICES

The policy of the Hospital is to provide the patients with an opportunity for religious worship and service. A resident minister is retained as Chaplain in order to co-ordinate the various religious activities. In addition, Catholic priests and Protestant clergymen visit their respective members and perform the services and administer the sacraments of their respective beliefs.

Each Sunday morning a Chapel service is conducted for all who desire to attend. Every consideration is given the physically handicapped and where possible they are assisted in their effort to attend.

An effort to organize a choir is in the making. But, as we do not have any form of musical instrument, our services now are limited to hymn singing and responsive readings.

The Chaplain visits the critically ill and, in case of death, writes a letter of sympathy to the relatives. When the funeral is held here, the Chaplain conducts the services.

The Chaplain also has personal interviews with many of the patients, boosts their morale and gives them peace of mind that has not been attained.

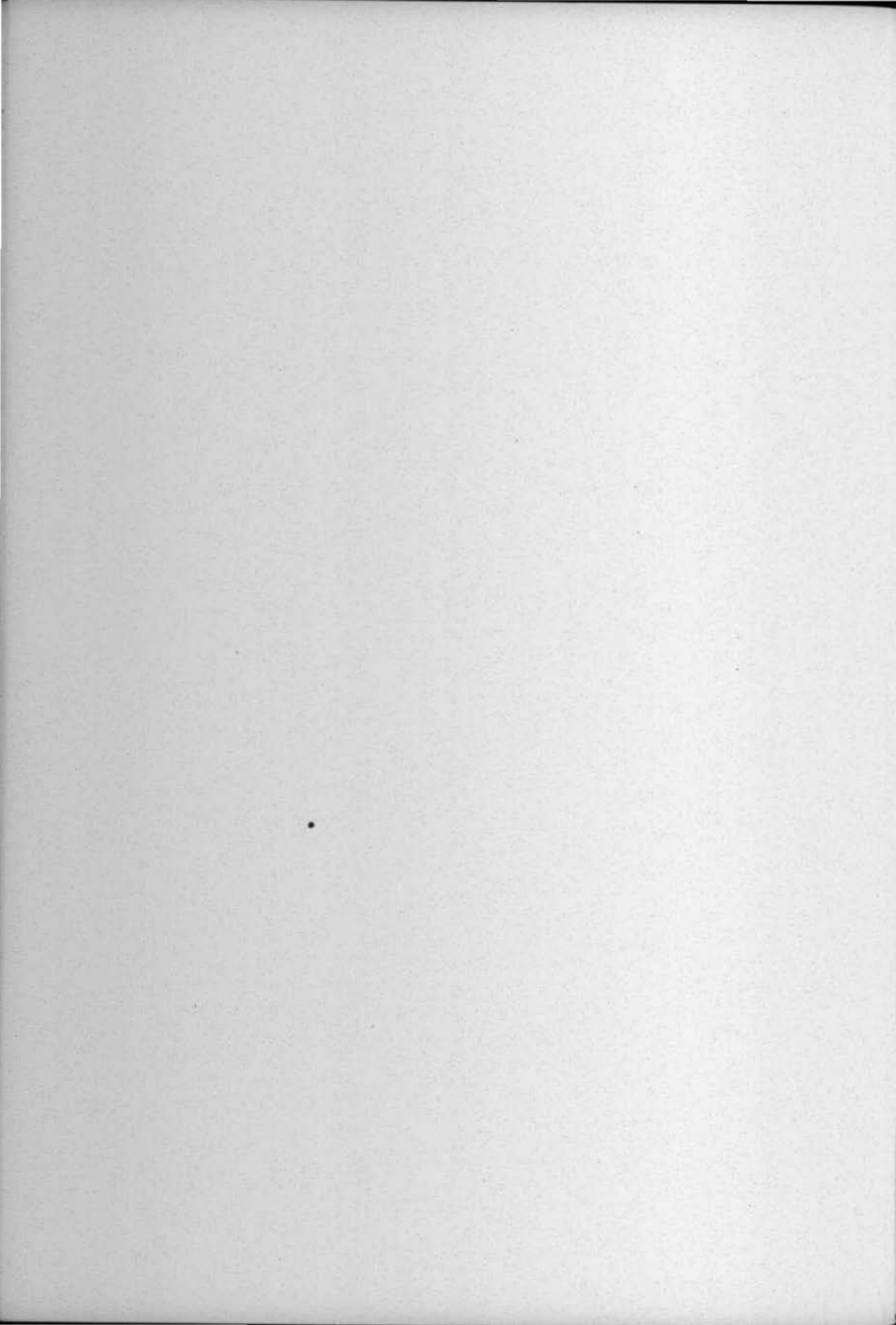
OUT-PATIENT DEPARTMENT

The Out-Patient Department of the Hospital was established in July, 1947. The Hospital is indebted to Dr. F. E. Daves for establishing this Department and organizing it into a smooth functioning unit. During the year of the existence of this Department, 2,732 patients and 518 employees have been treated at Dorr Hospital and 2,677 patients and 984 employees at Carlstrom Hospital.

DRUG DEPARTMENT

This report from the Drug Room covers the period of March 14, 1947, to June 30, 1948.

Prescription orders for barbiturates, alcohol and thermometer solution	206
Narcotic prescriptions for wards	46
Department requisitions	857
On these requisition we dispensed in gallons, both medicine and disinfectants	33
Total items on requisitions, including all medicine and supplies	2,230
Employees' prescriptions	349



INDEX

MAIN HOSPITAL

Chattahoochee

Admissions, 1946-47	62
Admissions, 1947-48	63
Admissions By Counties	68
Anti-syphilitic Department	39
Brick Plant	59
Colored Patients Dining Room	43
Construction Department	49
Death Rate	68
Dental Department	30
Department Heads	10
Diet Kitchen	42
Drug Department	42
Eye, Ear, Nose and Throat Department	37
Engineering	51
Expenditures, 1946-47, chart	4
Expenditures, 1947-48, chart	5
Farm Department	52
Financial Statements	16
Fire Department	54
General Hospital	23
General Hospital Report	75
Governing Body	2
Graphic Chart of Maintenance Costs	6
Horticulture	56
Infirmery	31
Laboratory Report	70
Landis Hall—Nurses' Home	46
Laundry	61
Library, Eastern Star	48
Main Receiving Hospital	9
Mattress Factory	61
Medical Department and Staff	24
Men's Dormitory	57
Movement of Population	26
Occupational Therapy	45
Operations	72
Pathological Laboratory	70

INDEX—(Continued)

Psychology Department	39
Psychoses of First Admissions	66
Recreation	46
Religious Services	45
Resolutions—Miss Pearl Trammell	12
Resolutions—Mrs. Martha Hill Lightsey	13
Resolutions—George M. Crichton	14
Resolutions—Glen F. Wright	15
Sanitary Department	58
School of Nursing Education	36
Scope of Institution	11
Separations, 1946-47	64
Separations, 1947-48	65
Sewing Room	60
Shock Therapy	34
Surgery	34
Transmittal	7
X-ray and Physiotherapy Departments	30

DORR AND CARLSTROM

Arcadia

Administration Building	77
Drug Department	83
General Hospital	79
Medical Staff and Department Heads	78
Movement of Population	80
Out-Patient Department	83
Recreation	81
Religious Services	83
Shock Therapy	82
Surgery	82